REMOVAL PROGRAM
PRELIMINARY ASSESSMENT/
SITE INVESTIGATION REPORT
FOR THE
PARK STREET SITE
BENNINGTON, BENNINGTON COUNTY, VERMONT
2 APRIL THROUGH 6 APRIL 2012

Prepared For:

U.S. Environmental Protection Agency
Region I
Emergency Planning and Response Branch
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912

CONTRACT NO. EP-W-05-042

TDD NO. 01-12-03-0002

TASK NO. 0779

DC NO. R-7202

Submitted By:

Weston Solutions, Inc.
Region I
Superfund Technical Assessment and Response Team (START)
3 Riverside Drive
Andover, MA 01810

September 2012

TABLE OF CONTENTS

I. Preliminary Assessment/Site Investigation Forms

EPA REGION I
REMOVAL PRELIMINARY ASSESSMENT

Site Name and Location

Name: Park Street **Location:** Park Street and Bowen Road
Town: Bennington **County:** Bennington **State:** Vermont

Site Status: **( ) NPL** **( ) NON-NPL** **( ) RCRA** **( ) TSCA**
(X) ACTIVE **( ) ABANDONED** **( ) OTHER**

(X) Attached USGS Map of Location **(X) Site I.D. No.:** 01HY

Latitude: 42° 53' 27.9" North **Longitude:** 73° 11' 32.9" West

Referral

( ) Citizen **( ) City/Town** **(X) State** **( ) Preremedial** **( ) RCRA**
( ) Other:

Name of referring party: Vermont Department of Environmental Protection (VT DEC), Brownfields Program **Telephone:** (802) 241-3800
Address: One South Building, 103 South Main Street, Waterbury, Vermont 05671

Contacts Identified
1) Patricia Coppolino **Telephone:** (802) 241-3967
2) **Telephone:** ( )
3) **Telephone:** ( )

Source of Information

( ) Verbal:
(X) Report: The Johnson Company. December 2010. *Limited Phase II Environmental Site Assessment at the Former Jard Company Site, Bowen Road, Bennington, VT.*
( ) Other:

Potential Responsible Parties

Owner: Former Jard Company **Telephone:** ( )
Address: Bowen Road, abutting property
Operator: **Telephone:** ( )
Address:

REMOVAL PRELIMINARY ASSESSMENT

Site Access

Authorizing Person: Town of Bennington and Individual Property owners
Date: 3 April 2012 **(X)Obtained** **( )Verbal**
Telephone: ( ) **( )Not Obtained** **(X)Written**

Historical Preservation

( ) Site is Historically Significant or Eligible for Historic Preservation

Contacts Identified

1) State Historical Preservation Officer (SHPO)

Name: Mr. Townsend H. Anderson **Telephone:** (802) 828-3226

2) Tribal Historical Preservation Officer (THPO)
Name: **Telephone:**( )

Comments:

Physical Site Characterization

Background Information: The Park Street site (the site) is located on Park Street and Bowen Road in Bennington, Vermont. Geographic coordinates of the site are 42° 53' 27.9" north latitude, and 73° 11' 32.9" west longitude, as measured from the approximate center of the site. The site consists of Little League baseball fields, two residential properties, and adjacent wetlands. The site is adjacent to the former Jard Company, Inc. (Jard) site (Jard site) and is abutted to the west by the Bennington Square Shopping Center, to the north by Bowen Road and industrial properties, to the east by the Jard site, and to the south by the Roaring Branch of the Walloomsac River (Roaring Branch).

The site may be potentially impacted by contamination from the former Jard site, a former capacitor and transformer manufacturing facility that produced capacitors, non-fluid transformers, and motors used in household appliances. Jard generated wastes associated with its manufacturing processes from 1969 to 1986. These wastes included polychlorinated biphenyls (PCBs); a variety of volatile organic compounds (VOCs), including trichloroethylene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), and toluene; semivolatile organic compounds (SVOCs); waste hydraulic and lubricating oils; waste paints and varnishes; waste zinc oxide; waste-contaminated rejected capacitors; spent SpeediDri™; and PCB- and phthalate-contaminated wastewater. From September 2006 through August 2007, U.S. Environmental Protection Agency (EPA) conducted a removal action at the Jard site, removing PCB-contaminated materials and constructing a landfill cap over the site [3].

REMOVAL PRELIMINARY ASSESSMENT

The Vermont Department of Environmental Conservation (VT DEC) raised concerns regarding surface and subsurface soil and groundwater contamination related to the site, which is located downgradient of the former Jard site.

Description of Substances Possibly Present, Known or Alleged: PCBs; VOCs, including TCE, 1,1,1-TCA, and toluene; SVOCs; waste hydraulic and lubricating oils; waste paints and varnishes; waste zinc oxide; waste-contaminated rejected capacitors; spent SpeediDri™; and PCB- and phthalate-contaminated wastewater.

Existing Analytical Data

( ) Real-Time Monitoring Data:

(X) Sampling Data: Analytical results of samples collected on the Jard site by EPA and START in June 2006 indicated PCB levels as high as 1,017 micrograms per 100 square centimeters (µg/100 cm^2) in wipe samples; 46 milligrams per Kilogram (mg/Kg) in surface soil samples; 19 mg/Kg in subsurface soil samples; and 40,512 mg/Kg in concrete floor coring samples.

Potential Threat

Description of potential hazards to environment and/or population-identify any of the criteria for a Removal Action (from NCP) that may be met by the site under 40 CFR 300.415 [b] [2].

i. Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, pollutants or contaminants.

ii. Actual or potential contamination of drinking water supplies or sensitive ecosystems.

iii. Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.

iv. High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate.

v. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.

vi. Threat of fire or explosion.

vii. The availability of other appropriate federal or state response mechanisms to respond to the release.

viii. Other situations or factors that may pose threats to public health or welfare or the environment.

REMOVAL PRELIMINARY ASSESSMENT

Prior Response Activities

( ) PRP **( ) STATE** **(X) FEDERAL** **( ) OTHER**

Brief Description: From September 2006 through August 2007, EPA conducted a removal action at the Jard site, removing PCB-contaminated materials and constructing a landfill cap over the site.

Priority for Site Investigation

(X) High **( ) Medium** **Low ( )** **None ( )**

Comments:

Report Generation

Originator:	Bonnie Mace	**Date:**	15 May 2012
Affiliation:	Weston Solutions, Inc. (START)	**Telephone:**	(978) 552-2131
TDD No.:	01-12-03-0002	**Task No.:**	0779

EPA REGION I
REMOVAL SITE INVESTIGATION

Inspection Information

Site Name: Park Street **Address:** Park Street and Bowen Road
Town: Bennington **County:** Bennington **State:** Vermont
Date of Inspection: 3 April 2012 **Time of Inspection:** 0700 hours
Weather Conditions: 53 ° Fahrenheit, Sunny, Breezy
Date of Inspection: 4 April 2012 **Time of Inspection:** 0700 hours
Weather Conditions: 54 ° Fahrenheit, Overcast, Breezy
Date of Inspection: 5 April 2012 **Time of Inspection:** 0700 hours
Weather Conditions: 45 ° Fahrenheit, Mostly cloudy, Breezy
Site Status at Time of Inspection: **(X) ACTIVE ( ) INACTIVE**
Comments: The site consists of Little League baseball fields, two residential properties, and wetlands. The site is adjacent to the former Jard Company, Inc. (Jard) site (Jard site).

Agencies/Personnel Performing Inspection

	Names	Program
(X**) EPA:**	Catherine Young	U.S. Environmental Protection Agency (EPA) Region I, Emergency Planning and Response Branch (EPRB), On-Scene Coordinator (OSC).
	Scott Clifford Jerry Keefe Mike Looney Erin Trainer	EPA Region I, Office of Environmental Measurement and Evaluation (OEME).
(X**) EPA Contractor:**	Mark Hall Andrew Danikas Rob Sharp	Weston Solutions, Inc. (WESTON), Superfund Technical Assessment and Response Team III (START).
(X**) State:**	Patricia Coppolino	Vermont Department of Environmental Protection (VT DEC).

Current Owner Based on Field Interview: Town of Bennington (Baseball Fields).

REMOVAL SITE INVESTIGATION

Physical Site Characteristics

Parameter		Quantities/Extent
( ) Cylinders:		
( ) Drums:		
( ) Lagoons:		
( ) Tanks:	**( ) Above:**	
	( ) Below:	
( ) Asbestos:		
( ) Piles:		
( ) Stained Soil:		
( ) Sheens:		
( ) Stressed Vegetation:		
( ) Landfill:		
(X) Population in Vicinity:		The site consists of two residential properties and Little League baseball fields and is abutted by additional residential properties and active businesses.
(X) Wells:	**(X) Drinking:**	A hand dug well, which is no longer in use and has been capped with concrete, is located in the basement of one of the residential properties.
	( ) Monitoring:	
( ) Other:		

Physical Site Observations

The site is primarily level and consists of Little League baseball fields, two residential properties, and wetlands. The site is adjacent to the former Jard site.

Field Sampling and Analysis

Matrix/Analytical		**Field Instrumentation**				
Parameter		**CGI/O_2**	**RAD**	**PID**	**FID**	**Other**
Background Readings:		0.0/20.9%	12-15 µR/hr	0.0 ppm	0.0 ppm	
Air:		0.0/20.9%	12-15 µR/hr	0.0 ppm	0.0 ppm	
Soil:		0.0/20.9%	12-15 µR/hr	0.0 ppm	0.0 ppm	
Surface:						
Water:		0.0/20.9%	12-15 µR/hr	0.0 ppm	0.0 ppm	
Sediments:		0.0/20.9%	12-15 µR/hr	0.0 ppm	0.0 ppm	

Field Quality Control Procedures

(X) SOP Followed **( ) Deviation From SOP**

Comments: START followed the protocol outlined in the document entitled, *Sampling and Analysis Plan for the Park Street Site, Bennington, Bennington County, Vermont*, dated March 2012.

Description of Sampling Conducted

On 3 April 2012, START personnel established a 100- by 100- foot grid over the surface of the baseball field area of the site. In addition, soil pile sample locations were selected directly adjacent to the former Jard site. START collected a total of 42 surface and subsurface soil samples from locations throughout the site. Thirty-eight samples were collected from the ball fields, and four samples were collected from an area of the ball fields directly adjacent to the former Jard site.

On 4 April 2012, START collected a total of 41 surface and subsurface soil samples from locations throughout the site. Twenty samples were collected from the baseball fields, seven samples were collected from an area of the baseball fields directly adjacent to the former Jard site, and 13 samples were collected from the (b) (6) residential property.

On 5 April 2012, EPA and START collected 21 surface and subsurface soil samples, three floor sweeping samples, and two surface water samples, all from the (b) (6) residential property. EPA and START also collected one floor sweeping sample from the (b) (6) residential property. In addition, EPA and START collected nine sediment samples (including one field duplicate) and four surface water samples (including one field duplicate) from the adjacent wetlands.

All samples were screened on site for polychlorinated biphenyls (PCBs) by the EPA Office of Environmental Measurement and Evaluation (OEME) mobile laboratory. In addition, approximately 10% of the samples were selected for confirmatory PCB analysis at the OEME laboratory located in North Chelmsford, Massachusetts.

Analyses

Analytical Parameter	Media	Laboratory
( ) VOC	( ) AIR	(X) NERL
(X) PCB	(X) WATER	( ) CLP
( ) PESTICIDE	(X) SOIL	( ) PRIVATE
( ) METALS	( ) SOURCE	( ) DAS
( ) CYANIDE	(X) SEDIMENT	( ) SOW
( ) SVOC	( ) SOIL GAS	(X) FIELD
( ) TOXICITY		
( ) DIOXIN		
( ) ASBESTOS		
( ) OTHER		

Analytical results: [see attached]

Receptors

	Comments
( ) Drinking Water: **( ) Private:** **( ) Municipal:**	
( ) Groundwater:	
(X) Unrestricted Access:	Both the baseball fields and the residential properties have unrestricted access.
(X) Population in Proximity:	The site consists of two residential properties and Little League baseball fields.
(X) Sensitive Ecosystem:	The site is bordered to the south by the Roaring Branch of the Walloomsac River (Roaring Branch), and by an unmapped wetland to the west.
( ) Other:	

Additional Procedures for Site Determination

( ) Biological Evaluation **( ) ATSDR**

To be determined by the On-Scene Coordinator (OSC).

Site Determination

Depending on further information, criteria that may be met by the site include 40 CFR 300.415 [b] [2], parts:

i. Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, pollutants or contaminants.

ii. Actual or potential contamination of drinking water supplies or sensitive ecosystems.

iii. Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.

iv. High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate.

v. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.

vi. Threat of fire or explosion.

vii. The availability of other appropriate federal or state response mechanisms to respond to the release.

viii. Other situations or factors that may pose threats to public health or welfare or the environment.

Report Generation			
Originator:	Bonnie Mace	**Date:**	15 May 2012
Affiliation:	Weston Solutions, Inc. (START)	**Telephone:**	(978) 552-2131
TDD No.:	01-12-03-0002	**Task No.:**	0779

II. Narrative Chronology

Narrative Chronology

Site Description

The Park Street site (the site) is located on Park Street and Bowen Road in Bennington, Bennington County, Vermont. Geographic coordinates of the site are 42° 53' 27.9" north latitude and 73° 11' 32.9" west longitude, as measured from the approximate center of the site (see Appendix A, Figure 1) [1]. The site consists of Little League baseball fields, two residential properties, and adjacent wetlands. The site is adjacent to the former Jard Company, Inc. (Jard) site (Jard site) and is abutted to the west by the Bennington Square Shopping Center, to the north by Bowen Road and industrial properties, to the east by the former Jard site, and to the south by the Roaring Branch of the Walloomsac River (Roaring Branch) (see Appendix A, Figure 2) [2].

Site Background

The site may be potentially impacted by contamination from the former Jard site, a former capacitor and transformer manufacturing facility that produced capacitors, non-fluid transformers, and motors used in household appliances. Jard generated wastes associated with its manufacturing processes from 1969 to 1986. These wastes included polychlorinated biphenyls (PCBs); a variety of volatile organic compounds (VOCs), including trichloroethylene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), and toluene; semivolatile organic compounds (SVOCs); waste hydraulic and lubricating oils; waste paints and varnishes; waste zinc oxide; waste-contaminated rejected capacitors; spent SpeediDri™; and PCB- and phthalate-contaminated wastewater. From September 2006 through August 2007, U.S. Environmental Protection Agency (EPA) conducted a removal action at the former Jard site, removing PCB-contaminated materials [3].

The Vermont Department of Environmental Conservation (VT DEC) raised concerns regarding surface and subsurface soil and groundwater contamination related to the site, which is located downgradient of the former Jard site.

Site Activities

On 2 April 2012, Weston Solutions, Inc. Superfund technical Assessment and Response Team (START) members Mark Hall, Andrew Danikas, and Rob Sharp mobilized to the site to conduct a reconnaissance prior to conducting surface and subsurface soil, sediment, and surface water sampling activities.

On 3 April 2012, EPA On-Scene Coordinator (OSC) Catherine Young, EPA Office of Environmental Measurement and Evaluation (OEME) members Jerry Keefe, Mike Looney, Erin Trainer, and Scott Clifford, and START members Hall, Danikas, and Sharp mobilized to the site to conduct surface and subsurface soil, sediment, and surface water sampling activities.

START personnel established a support zone and calibrated the air monitoring instrument, a MultiRAE Plus [with carbon monoxide (CO), hydrogen sulfide (H_2S), VOC, oxygen (O_2), and lower explosive limit (LEL) sensors] [4]. Background levels were recorded in the Health and Safety Plan (HASP) as follows: photoionization detector (PID) = 0.0 parts per million (ppm);

LEL = 0%; O_2 = 20.9%; CO = 0.0 ppm; and H_2S = 0.0 ppm. START member Hall conducted a safety and operations meeting, and on-site personnel reviewed and signed the site HASP. The HASP was prepared as a separate document, entitled *Weston Solutions, Inc., Region I START Site Health and Safety Plan (HASP) for the Park Street Site, Bennington, Vermont,* dated April 2012.

START personnel established a 100- by 100- foot grid over the surface of the baseball field area of the site. In addition, soil pile sample locations were selected directly adjacent to the former Jard site. EPA and START collected a total of 42 surface and subsurface soil samples from locations throughout the site. Thirty-eight samples were collected from the baseball fields, and four samples were collected from an area of the baseball fields directly adjacent to the former Jard site (see Appendix A, Figure 3 and Appendix B, Table 1) [5]. Sampling activities were performed in accordance with the site sampling and analysis plan (SAP), which was prepared as a separate document, entitled *Sampling and Analysis Plan for the Park Street Site, Bennington, Bennington County, Vermont.*

All samples were screened on site for PCBs by the EPA OEME mobile laboratory. In addition, approximately 10% of the samples were selected for confirmatory PCB analysis at the OEME laboratory located in North Chelmsford, Massachusetts.

On 4 April 2012, OSC Young, EPA OEME members Clifford, Keefe, Looney, and Trainer, and START members Hall, Danikas, and Sharp mobilized to the site to continue surface and subsurface soil, sediment, and surface water sampling activities. START personnel established a support zone and calibrated the air monitoring instrument, a MultiRAE. Background levels were recorded in the HASP as follows: PID = 0.0 ppm; LEL = 0%; O_2 = 20.9%; CO = 0.0 ppm; and H_2S = 0.0 ppm. START member Hall conducted a safety and operations briefing in accordance with the site-specific HASP.

EPA and START collected a total of 41 surface and subsurface soil samples from locations throughout the site. Twenty samples were collected from the baseball fields, seven samples were collected from an area of the baseball fields directly adjacent to the former Jard site, and 13 samples were collected from the (b) (6) residential property (see Appendix A, Figure 3 and Appendix B, Tables 1 and 2) [6-7].

All samples were screened on site for PCBs by the EPA OEME mobile laboratory. In addition, approximately 10% of the samples were selected for confirmatory PCB analysis at the OEME laboratory located in North Chelmsford, Massachusetts.

On 5 April 2012, OSC Young, EPA OEME members Clifford, Keefe, and Trainer, and START members Hall, Danikas, and Sharp mobilized to the site to complete surface and subsurface soil, sediment, floor sweeping, and surface water sampling activities. START personnel established a support zone and calibrated the air monitoring instrument, a MultiRAE. Background levels were recorded in the HASP as follows: PID = 0.0 ppm; LEL = 0%; O_2 = 20.9%; CO = 0.0 ppm; and H_2S = 0.0 ppm. START member Hall conducted a safety and operations briefing in accordance with the site-specific HASP.

EPA and START collected 21 surface and subsurface soil samples, three floor sweeping samples, and two surface water samples, all from the (b) (6) residential property. EPA and START also collected one floor sweeping sample from the (b) (6) residential property. In addition, EPA and START collected nine sediment samples (including one field duplicate) and four surface water samples (including one field duplicate) from the adjacent wetlands (see Appendix A, Figure 3, and Appendix B, Tables 1 and 2).

All samples were screened on site for PCBs by the EPA OEME mobile laboratory. In addition, approximately 10% of the samples were selected for confirmatory PCB analysis at the OEME laboratory located in North Chelmsford, Massachusetts.

START member Hall utilized the Trimble™ Pathfinder Pro XRS Global Position System (GPS) unit to record sample locations and site features (see Appendix A, Figure 3) [8]. In addition, START member Hall photodocumented sample locations and site features (see Appendix C, Photodocumentation Log).

On 6 April 2012, START personnel mobilized to the site to select and containerize samples for confirmatory analysis. START personnel completed a chain-of-custody (COC) record to document the history of samples from the time of sample collection through transportation and analysis (see Appendix D, Chain-of-Custody Record). The selected samples were transported to EPA OEME, located in North Chelmsford, Massachusetts, for confirmatory PCB analyses.

On 8 May 2012, START received the analytical data results from OEME [9-11]. The data are summarized in Appendix B (see Appendix B, Tables 3 and 4). Complete laboratory data results may be found in Appendix E.

Analytical Data Summaries

Two PCBs were detected in one or more of the soil and floor sweeping samples that were screened on site and include the following (with maximum concentration and sample location in parentheses): Aroclor-1242 [9.6 milligrams per kilogram (mg/Kg) in SS-32A]; Aroclor-1260 or Aroclor-1262 (0.5 mg/Kg in FS-101) (see Appendix B, Table 3). The OEME analytical report stated that PCB reported as "Aroclor-1242 weathered" is estimated to be Aroclor-1016 or Aroclor-1232 [9].

Two PCBs were detected in one or more of the confirmatory soil and sediment samples and include the following (with maximum concentration and sample location in parentheses): Aroclor-1242 (6.8 mg/Kg in SD-05) and Aroclor-1260 (0.61 mg/Kg in SS-106B) (see Attachment B, Table 4) [10].

One PCB was detected in one or more of the surface water samples and includes the following (with maximum concentration and sample location in parentheses): Aroclor-1248 [1.3 micrograms per Liter (µg/L) in SW-201] (see Attachment B, Table 5) [11].

REFERENCES

[1] U.S. Geological Survey (USGS). 1961. Bennington and Pownal, Vermont. (7.5-minute series topographic map).

[2] Microsoft Corporation. 2010. Bing Maps Aerial.

[3] Weston Solutions, Inc. *Removal Program After Action Report for the Jard Company Inc. Site, Bennington, Bennington County, Vermont, 25 September 2006 through 1 August 2007*. December.

[4] Weston Solutions, Inc. May 2011. Standard Operating Procedure for PID-MultiRAE (Multi-gas Monitor with VOC Detection and LEL) RAE Model PGM-50 Multi-Gas Monitor (MultiRAE), SOP No. WSI/S3-018, Superfund Technical Assessment and Response Team III (START), Andover, MA.

[5] Weston Solutions, Inc. May 2011. Standard Operating Procedure for Surface and Subsurface Soil Sampling, SOP No. WSI/S3-001, Superfund Technical Assessment and Response Team III (START), Andover, MA.

[6] Weston Solutions, Inc. May 2011. Standard Operating Procedure for Sediment Sampling, SOP No. WSI/S3-003, Superfund Technical Assessment and Response Team III (START), Andover, MA.

[7] Weston Solutions, Inc. May 2011. Standard Operating Procedure for Surface Water Sampling, SOP No. WSI/S3-004, Superfund Technical Assessment and Response Team III (START), Andover, MA.

[8] Weston Solutions, Inc. May 2011. Standard Operating Procedure for Trimble™ GeoExplorer® 2008 Series Global Positioning System, SOP No. WSI/S3-020, Superfund Technical Assessment and Response Team III (START), Andover, MA.

[9] U.S. Environmental Protection Agency. 13 April 2012. Office of Environmental Measurement and Evaluation. Laboratory Report. Project No. 12040009. [Park Street, Bennington, VT – PCBs Field Analytical Results].

[10] U.S. Environmental Protection Agency. 23 May 2012. Office of Environmental Measurement and Evaluation. Laboratory Report. Project No. 12040010. [Park Street, Bennington, VT – PCBs Medium Level in Soils and Sediments].

[11] U.S. Environmental Protection Agency. 1 May 2012. Office of Environmental Measurement and Evaluation. Laboratory Report. Project No. 12040010. [Park Street, Bennington, VT – PCBs in Water Low Level].

III. Appendices

Appendix A

Figures

Figure 1 - Site Location Map
Figure 2 - Site Diagram
Figure 3 - Sample Location Map

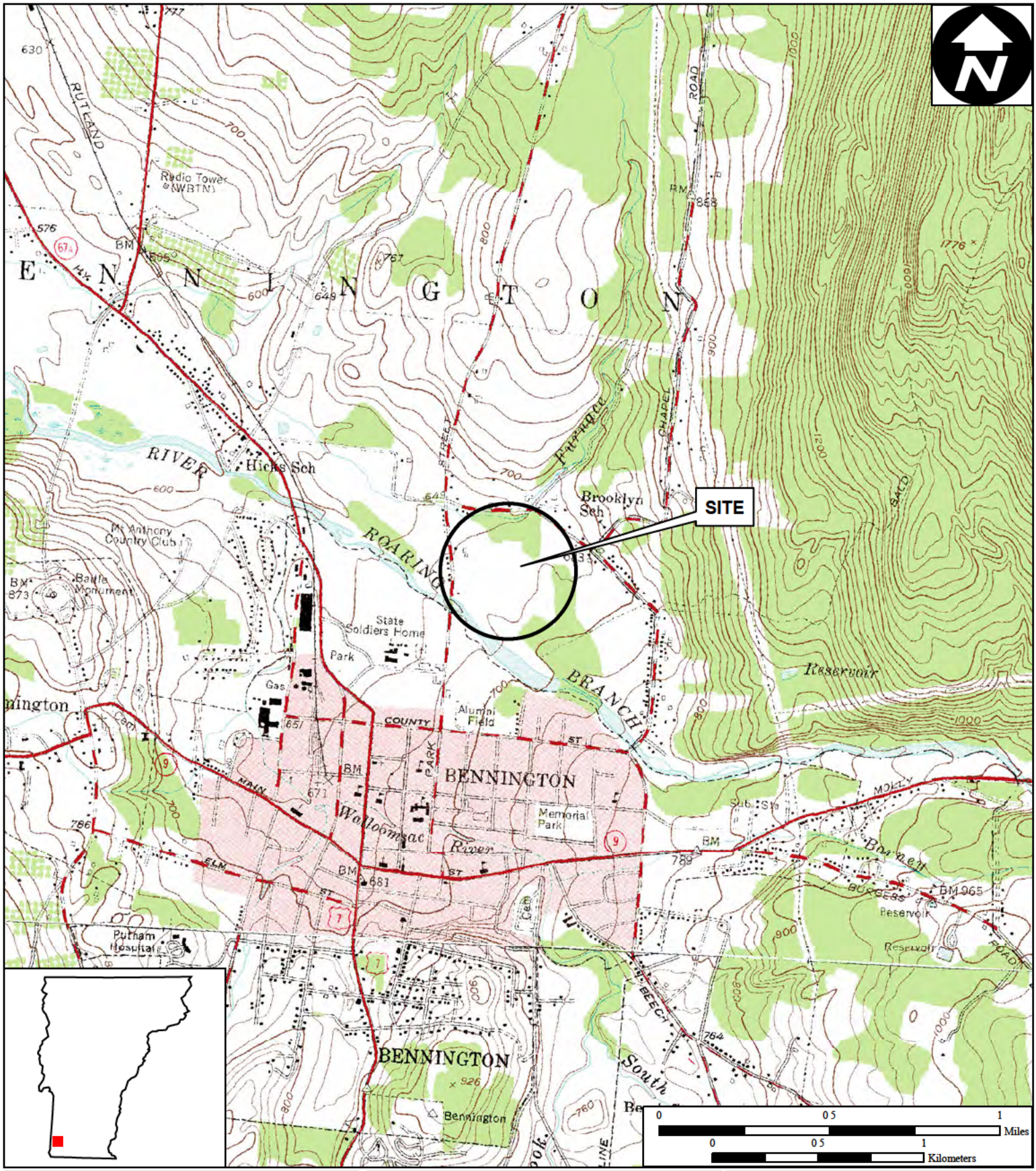

Figure 1

Site Location Map

Park Street Site
Park Street
Bennington, Vermont
HRS Reference #00

EPA Region I
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	01-12-03-0002
Created by:	Eric D. Ackerman
Created on:	23 March 2012
Modified by:	B. Mace
Modified on:	16 May 2012

Data Sources:
Topos: MicroPath/USGS
Quadrangle Name: Bennington, Vermont
All other data: START

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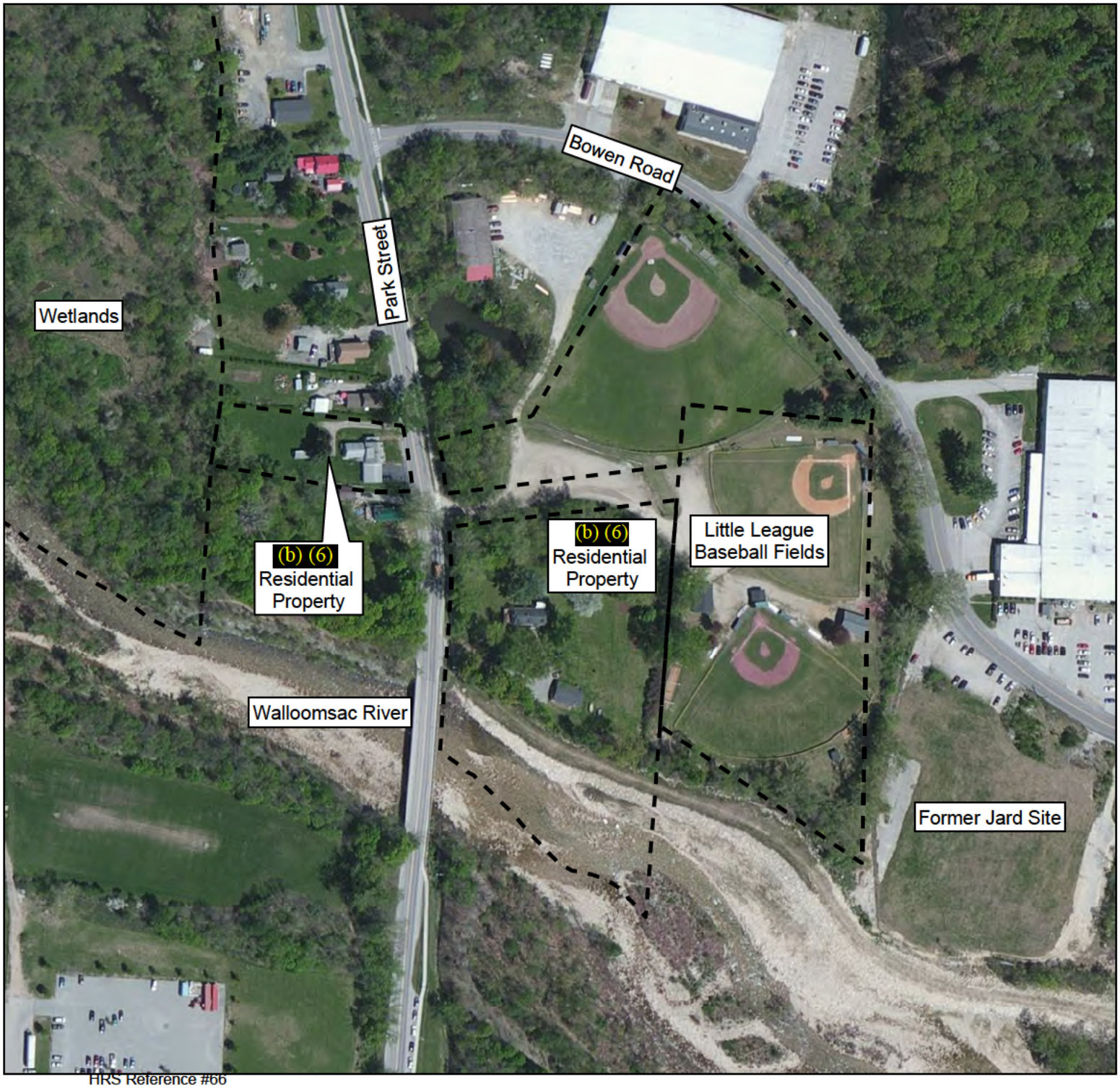

Figure 2

Site Diagram

Park Street Site
Park Street
Bennington, Vermont

EPA Region I
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	12-03-0002
Created by:	Eric D. Ackerman
Created on:	23 March 2012
Modified by:	B. Mace
Modified on:	29 May 2012

Legend

Approximate Property Boundary

N

Feet

0 150 300

Data Sources:
Imagery: Bing Maps Aerial (Microsoft Corp)
All other data: START

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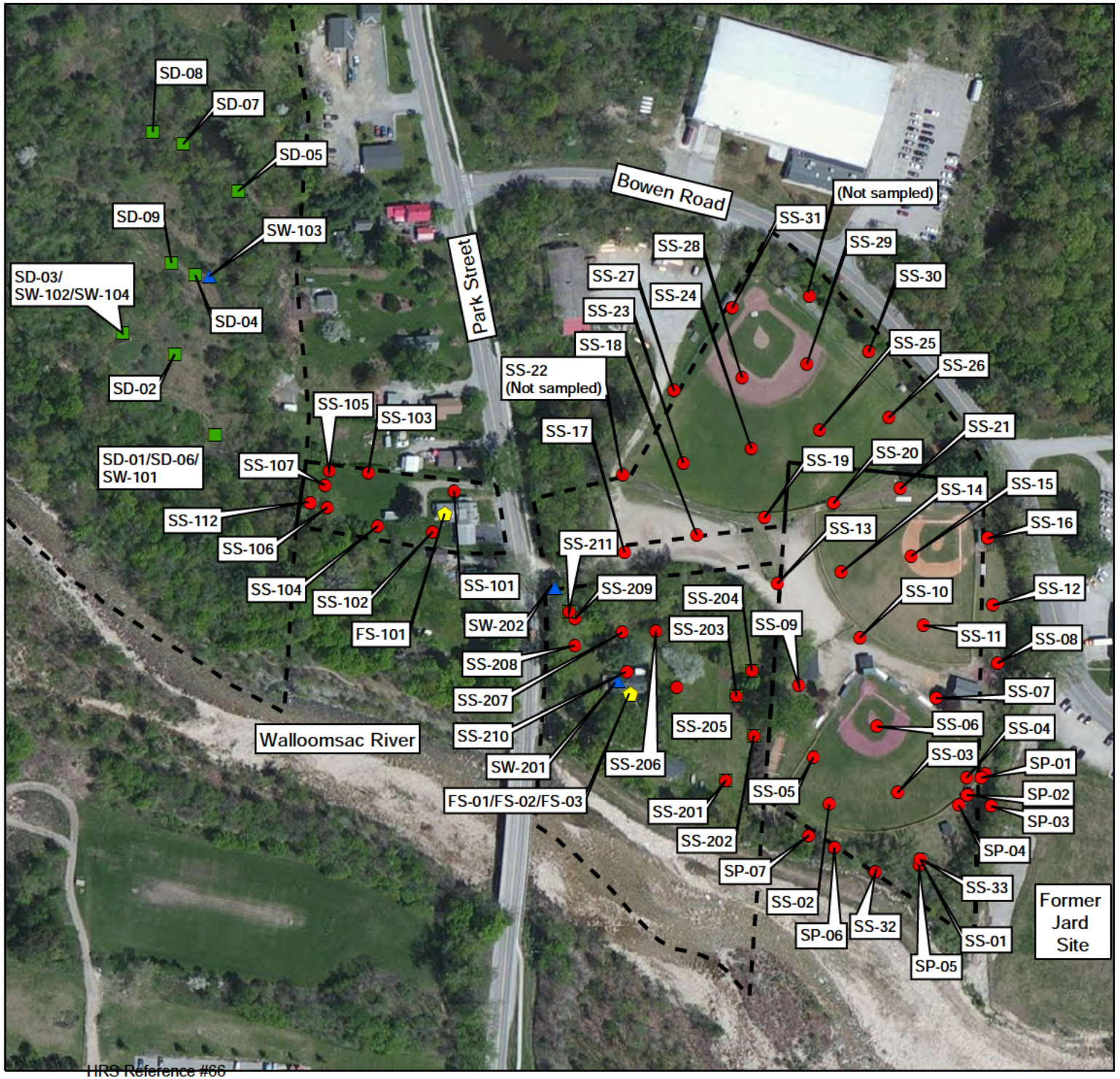

Figure 3

Sample Location Map

Park Street Site
Park Street
Bennington, Vermont

EPA Region I
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	12-03-0002
Created by:	Eric Ackerman
Created on:	23 March 2012
Modified by:	B. Mace
Modified on:	29 May 2012

Legend

- Approximate Property Boundary
- Soil Samples
- Sediment Samples
- Surface Water Samples
- Floor Sweep Samples

N

Feet

0 150 300

Data Sources:
Imagery: Bing Maps Aerial (Microsoft Corp)
Topos: MicroPath
All other data: START

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Appendix B

Tables and Spreadsheets

TABLE 1

SOIL SAMPLE DESCRIPTIONS
PARK STREET
BENNINGTON, VERMONT

Sample Location	Sample Number	Sample Depth	Collection Date	Sample Type	Sample Description	Comments
R01-120403CY-0001	SS-01A	0-12 in.	4/3/12	Grab	Light brown, fine SAND, trace gravel.	Refusal at 12 inches.
R01-120403CY-0003	SS-02A	0-12 in.	4/3/12	Grab	Topsoil.	
R01-120403CY-0004	SS-02B	12-21 in.	4/3/12	Grab	Light brown, fine SAND, trace gravel.	Refusal at 21 inches.
R01-120403CY-0002	SS-03A	0-12 in.	4/3/12	Grab	Light brown, fine SAND, trace gravel.	Refusal at 12 inches.
R01-120403CY-0005	SS-04A	0-12 in.	4/3/12	Grab	Medium brown, fine SAND, some silt, trace fine gravel, trace organics.	
R01-120403CY-0006	SS-05A	0-12 in.	4/3/12	Grab	Topsoil.	
R01-120403CY-0007	SS-05B	12-17 in.	4/3/12	Grab	Medium brown, fine SAND, moist.	Refusal at 18 inches.
R01-120403CY-0008	SS-06A	0-12 in.	4/3/12	Grab	Medium brown, medium SAND, some gravel.	
R01-120403CY-0009	SS-06B	12-24 in.	4/3/12	Grab	Brown, coarse SAND, trace gravel.	
R01-120403CY-0010	SS-07A	0-12 in.	4/3/12	Grab	Light-to-medium brown, fine-to-medium SAND, moist.	
R01-120403CY-0011	SS-07B	12-24 in.	4/3/12	Grab	Light-to-medium brown, fine-to-medium SAND, moist.	
R01-120403CY-0012	SS-08A	0-12 in.	4/3/12	Grab	Medium brown, fine-to-medium SAND, trace fine-to-medium gravel, trace organics.	
R01-120403CY-0013	SS-08B	12-24 in.	4/3/12	Grab	Medium brown, fine-to-medium SAND, some silt, trace fine-to-coarse gravel, trace organics.	
R01-120403CY-0014	SS-09A	0-12 in.	4/3/12	Grab	Medium brown, fine SAND, some silt, trace fine gravel, trace organics.	
R01-120403CY-0015	SS-09B	12-24 in.	4/3/12	Grab	Orange-brown, fine-to-coarse SAND, some fine-to-coarse gravel.	
R01-120403CY-0016	SS-10A	0-12 in.	4/3/12	Grab	Brown, coarse SAND, and GRAVEL.	
R01-120403CY-0017	SS-10B	12-24 in.	4/3/12	Grab	Brown, medium SAND and CLAY, trace organics.	
R01-120403CY-0018	SS-11A	0-12 in.	4/3/12	Grab	Medium brown, fine-to-medium SAND, trace fine-to-medium gravel, moist.	
R01-120403CY-0019	SS-11B	12-18 in.	4/3/12	Grab	Medium brown, medium-to-coarse SAND, little fine-to-medium gravel, moist.	Refusal at 18 inches.
R01-120403CY-0024	SS-12A	0-12 in.	4/3/12	Grab	Dark brown, fine-to-medium SAND, some silt, trace debris (brick), trace organics.	
R01-120403CY-0025	SS-12B	12-24 in.	4/3/12	Grab	Light-to-medium brown, fine SAND and SILT, trace fine gravel, trace organics.	
R01-120403CY-0026	SS-13A	0-12 in.	4/3/12	Grab	Brown, coarse SAND and CLAY, some gravel.	
R01-120403CY-0027	SS-13B	12-18 in.	4/3/12	Grab	Brown, medium-to-coarse SAND, little clay, trace gravel.	Refusal at 18 inches.
R01-120403CY-0028	SS-14A	0-12 in.	4/3/12	Grab	Medium brown, SAND, trace gravel.	
R01-120403CY-0029	SS-14B	12-22 in.	4/3/12	Grab	Light-to-medium brown, SAND, trace gravel.	Refusal at 22 inches.
R01-120403CY-0030	SS-15A	0-4 in.	4/3/12	Grab	Red topsoil.	From baseball infield.
R01-120403CY-0031	SS-15B	4-12 in.	4/3/12	Grab	Medium brown, fine SAND.	
R01-120403CY-0032	SS-15C	12-20 in.	4/3/12	Grab	Medium brown, fine SAND, trace gravel, moist.	
R01-120403CY-0033	SS-16A	0-12 in.	4/3/12	Grab	Light-to-medium brown, fine SAND, trace gravel.	Refusal at 12 inches.
R01-120403CY-0034	SS-17A	0-12 in.	4/3/12	Grab	Medium brown, medium SAND, little gravel.	Refusal at 12 inches.
R01-120403CY-0035	SS-18A	0-12 in.	4/3/12	Grab	Medium brown, medium SAND, little gravel.	
R01-120403CY-0036	SS-18B	12-24 in.	4/3/12	Grab	Medium-to-dark brown, medium SAND, some gravel, moist.	
R01-120403CY-0037	SS-19A	0-12 in.	4/3/12	Grab	Light-to-medium, fine-to-coarse SAND, little silt, trace fine gravel, trace organics.	
R01-120403CY-0038	SS-19B	12-18 in.	4/3/12	Grab	Medium-to-dark brown, fine SAND and S LT, trace fine-to coarse gravel, trace organics.	Refusal at 18 inches.
R01-120403CY-0039	SS-20A	0-12 in.	4/3/12	Grab	Medium brown, fine SAND, trace gravel, moist.	
R01-120403CY-0040	SS-20B	12-21 in.	4/3/12	Grab	Light-to-dark brown, fine SAND, trace gravel.	
R01-120403CY-0041	SS-21A	0-12 in.	4/3/12	Grab	Medium brown, fine-to-medium SAND, little gravel.	
R01-120403CY-0042	SS-21B	12-18 in.	4/3/12	Grab	Light-to-dark brown, fine SAND, trace gravel, moist.	Refusal at 18 inches.
R01-120403CY-0043	SS-23A	0-12 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	
R01-120403CY-0044	SS-23B	12-18 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	Refusal at 18 inches.
R01-120403CY-0045	SS-24A	0-12 in.	4/4/12	Grab	Brown, fine-to-medium SAND, trace organics.	
R01-120403CY-0046	SS-24B	12-18 in.	4/4/12	Grab	Brown, medium SAND and coarse GRAVEL, black ash.	Refusal at 18 inches.
R01-120403CY-0047	SS-25A	0-12 in.	4/4/12	Grab	Medium brown, fine sand, little gravel, moist.	
R01-120403CY-0048	SS-25B	12-18 in.	4/4/12	Grab	Medium-to-dark brown, fine SAND, little gravel.	Refusal at 18 inches.
R01-120403CY-0049	SS-26A	0-12 in.	4/4/12	Grab	Medium brown, fine SAND and SILT, trace fine-to-coarse gravel, trace organics.	
R01-120403CY-0050	SS-26B	12-18 in.	4/4/12	Grab	Gray, fine-to-coarse SAND, some silt, trace fine-to-coarse gravel.	Refusal at 18 inches.
R01-120403CY-0051	SS-27A	0-12 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	
R01-120403CY-0052	SS-27B	12-20 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	Refusal at 20 inches.
R01-120403CY-0053	SS-28A	0-12 in.	4/4/12	Grab	Brown, medium SAND, trace gravel.	
R01-120403CY-0054	SS-28B	12-18 in.	4/4/12	Grab	Brown, medium SAND and GRAVEL, trace black ash.	Refusal at 18 inches.

TABLE 1

SOIL SAMPLE DESCRIPTIONS
PARK STREET
BENNINGTON, VERMONT

Sample Location	Sample Number	Sample Depth	Collection Date	Sample Type	Sample Description	Comments
R01-120403CY-0055	SS-29A	0-12 in.	4/4/12	Grab	0-2 in. Red topsoil. 2-12 in. Light-to-medium brown, fine SAND, trace gravel.	From baseball infield.
R01-120403CY-0056	SS-29B	12-22 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	Black layer of sand observed at 20 inches, refusal at 22 inches.
R01-120403CY-0057	SS-30A	0-12 in.	4/4/12	Grab	Light-to-medium brown, fine-to-coarse SAND, little silt, little fine-to-coarse gravel, trace organics.	
R01-120403CY-0058	SS-30B	12-18 in.	4/4/12	Grab	Light-to-medium brown, fine-to-coarse SAND, little fine-to-coarse gravel and silt.	Refusal at 18 inches.
R01-120403CY-0059	SS-31A	0-12 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	
R01-120403CY-0060	SS-31B	12-18 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	Refusal at 18 inches.
R01-120403CY-0066	SS-32A	0-12 in.	4/4/12	Grab	Medium-to-dark brown, fine SAND and S LT, trace organics.	
R01-120403CY-0067	SS-32B	12-24 in.	4/4/12	Grab	Medium-to-dark brown, fine SILT and SAND, trace organics.	
SS-33A	SS-33A	0-12 in.	4/4/12	Grab		
SS-33B	SS-33B	12-24 in.	4/4/12	Grab		
R01-120403CY-0020	SP-01	0-3 in.	4/3/12	Grab	Brown, medium-to-coarse SAND, little organics.	
R01-120403CY-0061	SP-01A	0-12 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	
R01-120403CY-0062	SP-01B	12-23 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	
R01-120403CY-0021	SP-02	0-3 in.	4/3/12	Grab	Brown, medium-to-coarse SAND and ORGANICS.	
R01-120403CY-0068	SP-02A	0-12 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	
R01-120403CY-0069	SP-02B	12-24 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	
R01-120403CY-0022	SP-03	0-3 in.	4/3/12	Grab	Orange coarse SAND, trace gravel.	
R01-120403CY-0023	SP-04	0-3 in.	4/3/12	Grab	Orange-brown, coarse SAND and GRAVEL.	
R01-120403CY-0063	SP-05	0-12 in.	4/4/12	Grab	Brown, medium-to-coarse SAND and Gravel, trace organics.	
R01-120403CY-0064	SP-06	0-12 in.	4/4/12	Grab	Brown, fine-to-medium SAND, some gravel.	
R01-120403CY-0065	SP-07	0-12 in.	4/4/12	Grab	Brown, fine-to-medium SAND, little gravel.	
SP-33A	SP-33A	0-12 in.	4/4/12	Grab	Light-to-medium brown, fine SAND, trace gravel.	
SP-33B	SP-33B	12-24 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	
SS-101A	SS-101A	0-12 in.	4/4/12	Grab	Medium brown, fine SAND and SILT, trace coarse gravel, trace organics, trace debris (glass, brick).	Collected from (b) (6) Property, collected from discharge point of basement sump pump.
SS-102A	SS-102A	0-12 in.	4/4/12	Grab	Brown, fine SAND, trace organics.	Collected from (b) (6) Property.
SS-103A	SS-103A	0-12 in.	4/4/12	Grab	Brown, fine SAND, trace organics.	Collected from (b) (6) Property.
SS-103B	SS-103B	12-18 in.	4/4/12	Grab	Brown, fine-to-medium SAND, some black ash.	Collected from (b) (6) Property, refusal at 18 inches.
SS-104A	SS-104A	0-12 in.	4/4/12	Grab	Medium brown, S LT, some fine sand, trace coarse gravel, trace organics.	Collected from (b) (6) Property.
SS-104B	SS-104B	12-18 in.	4/4/12	Grab	Light-to-medium brown, SILT, some fine sand, trace coarse gravel.	Collected from (b) (6) Property, refusal at 18 inches.
SS-105A	SS-105A	0-12 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	Collected from (b) (6) Property.
SS-105B	SS-105B	12-24 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel, moist.	Collected from (b) (6) Property.
R01-120403CY-0070	SS-106A	0-12 in.	4/4/12	Grab	Brown, fine SAND and SILT, some black ash.	Collected from (b) (6) Property.
R01-120403CY-0071	SS-106B	12-20 in.	4/4/12	Grab	Brown, fine SAND, some black ash.	Collected from (b) (6) Property.
SS-107A	SS-107A	0-12 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	Collected from (b) (6) Property.
SS-107B	SS-107B	12-24 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	Collected from (b) (6) Property.
SS-112A	SS-112A	0-12 in.	4/4/12	Grab	Medium-to-dark brown, fine SAND, trace gravel.	Collected from (b) (6) Property.
SS-112B	SS-112B	12-24 in.	4/4/12	Grab	Medium brown, fine SAND, trace gravel.	Collected from (b) (6) Property.
FS-01	FS-01	0-6 in.	4/5/12	Grab	NA	
R01-120403CY-0076	FS-02	0-6 in.	4/5/12	Grab	NA	Collected from (b) (6) Property, collected from basement sump.
FS-03	FS-03	0-6 in.	4/5/12	Grab	NA	
R01-120403CY-0079	FS-101	0-6 in.	4/5/12	Grab	NA	Collected from (b) (6) Property, collected from basement sump.

TABLE 1

SOIL SAMPLE DESCRIPTIONS
PARK STREET
BENNINGTON, VERMONT

Sample Location	Sample Number	Sample Depth	Collection Date	Sample Type	Sample Description	Comments
SS-201A	SS-201A	0-12 in.	4/5/12	Grab	Medium brown, fine SAND, trace gravel.	Collected from (b) (6) Property.
SS-201B	SS-201B	12-18 in.	4/5/12	Grab	Light-to-medium brown, fine SAND, trace gravel.	Collected from (b) (6) Property, refusal at 18 inches.
SS-202A	SS-202A	0-12 in.	4/5/12	Grab	Medium brown, fine SAND and SILT, little fine-to-coarse gravel, trace organics.	Collected from (b) (6) Property.
SS-202B	SS-202B	12-24 in.	4/5/12	Grab	Light-to-medium brown, SILT and CLAY, some fine sand, trace organics.	Collected from (b) (6) Property.
SS-203A	SS-203A	0-12 in.	4/5/12	Grab	Brown, fine SAND, some coarse gravel.	Collected from (b) (6) Property.
SS-204A	SS-204A	0-12 in.	4/5/12	Grab	Brown, fine SAND and SILT.	Collected from (b) (6) Property.
SS-204B	SS-204B	12-24 in.	4/5/12	Grab	Brown, fine-to-medium SAND, trace gravel.	Collected from (b) (6) Property.
SS-205A	SS-205A	0-12 in.	4/5/12	Grab	Medium brown, fine SAND, trace gravel.	Collected from (b) (6) Property.
SS-205B	SS-205B	12-18 in.	4/5/12	Grab	Medium brown, fine sand, little gravel.	Collected from (b) (6) Property, refusal at 18 inches.
SS-206A_Soil	SS-206A_Soil	0-6 in.	4/5/12	Grab	Medium brown, fine SILT and SAND, trace fine gravel, trace organics.	Collected from (b) (6) Property.
SS-206A_Ash	SS-206A_Ash	6-12 in.	4/5/12	Grab	White-gray-black debris (ash, coal).	Collected from (b) (6) Property.
SS-206B	SS-206B	12-24 in.	4/5/12	Grab	Gray, CLAY and S LT, some fine sand, trace coarse sand.	Collected from (b) (6) Property.
SS-207A	SS-207A	0-12 in.	4/5/12	Grab	Medium brown, fine SAND, trace gravel, moist.	Pieces of foil were found in borehole.
SS-207B	SS-207B	12-24 in.	4/5/12	Grab	Medium brown, fine SAND, trace gravel, moist.	Collected from (b) (6) Property.
SS-208A	SS-208A	0-12 in.	4/5/12	Grab	Brown, fine SAND and GRAVEL, trace organics.	Collected from (b) (6) Property, refusal at 12 inches.
SS-209A	SS-209A	0-3 in.	4/5/12	Grab	Medium brown, SAND, some gravel.	Collected from (b) (6) Property.
R01-120403CY-0075	SS-210A	0-12 in.	4/5/12	Grab	NA	Collected from (b) (6) Property, collected from basement sump.
SS-211A	SS-211A	0-12 in.	4/5/12	Grab	Medium brown, SAND, some gravel, moist.	Collected from (b) (6) Property.
R01-120403CY-0072	SS-211B	6-14 in.	4/5/12	Grab	Medium brown, SAND, some gravel, wet.	Collected from (b) (6) Property.

NOTES

in. = inches.
NA = Not applicable.

TABLE 2

SURFACE WATER AND SEDIMENT SAMPLE DESCRIPTIONS
PARK STREET
BENNINGTON, VERMONT

Sample Number	Sample Location	Sample Depth (in.)	Collection Date	Sample Type	Sample Description	Comments
R01-120403CY-0077	SD-01	0-12	4/5/2012	Grab	Gray-brown, fine SAND and SILT.	
SD-02	SD-02	0-12	4/5/2012	Grab	Gray-brown, fine SAND and SILT.	
SD-03	SD-03	0-12	4/5/2012	Grab	Gray-brown, fine SAND and SILT.	
SD-04	SD-04	0-12	4/5/2012	Grab	Gray-brown, fine SAND, some clay.	
R01-120403CY-0074	SD-05	0-12	4/5/2012	Grab	Brown, fine SAND and SILT.	
R01-120403CY-0078	SD-06	0-12	4/5/2012	Grab	Gray-brown, fine SAND and SILT.	Field duplicate of SD-03.
R01-120403CY-0073	SD-07	0-12	4/5/2012	Grab	Brown, fine SAND and SILT.	
SD-08	SD-08	0-12	4/5/2012	Grab	Brown, fine SAND and SILT.	
SD-09	SD-09	0-12	4/5/2012	Grab	Gray-brown, fine SAND and CLAY.	
R01-120403CY-0082	SW-101	NA	4/5/2012	Grab	NA	Adjacent to SD-01.
R01-120403CY-0083	SW-102	NA	4/5/2012	Grab	NA	Adjacent to SD-03.
R01-120403CY-0086	SW-103	NA	4/5/2012	Grab	NA	Adjacent to SD-04.
R01-120403CY-0084	SW-104	NA	4/5/2012	Grab	NA	Field duplicate of SW-102.
R01-120403CY-0080	SW-201	NA	4/5/2012	Grab	NA	(b) (6) Property basement well.
R01-120403CY-0081	SW-202	NA	4/5/2012	Grab	NA	(b) (6) Property pond (outflow).

NOTES:

in. = inches.
NA = Not applicable.

TABLE 3

PCB FIELD SCREENING RESULTS
SOIL AND SEDIMENT SAMPLES
PARK STREET SITE
BENNINGTON, VERMONT
Results in mg/Kg

Sample Number	Aroclor 1242	Comments	Sample Location
SS-01A	0.6	Weathered	Baseball field
SS-02A	0.5	Weathered	Baseball field
SS-02B	ND		Baseball field
SS-03A	ND		Baseball field
SS-04A	ND		Baseball field
SS-05A	ND		Baseball field
SS-05B	ND		Baseball field
SS-06A	ND		Baseball field
SS-06B	ND		Baseball field
SS-07A	ND		Baseball field
SS-07B	ND		Baseball field
SS-08A	ND		Baseball field
SS-08B	ND		Baseball field
SS-09A	ND		Baseball field
SS-09B	ND		Baseball field
SS-10A	ND		Baseball field
SS-10B	ND		Baseball field
SS-11A	ND		Baseball field
SS-11B	ND		Baseball field
SS-12A	ND		Baseball field
SS-12B	ND		Baseball field
SS-13A	ND		Baseball field
SS-13B	ND		Baseball field
SS-14A	ND		Baseball field
SS-14B	ND		Baseball field
SS-15A	ND		Baseball field
SS-15B	ND		Baseball field
SS-15C	ND		Baseball field
SS-16A	ND		Baseball field
SS-17A	ND		Baseball field
SS-18A	ND		Baseball field
SS-18B	ND		Baseball field
SS-19A	ND		Baseball field
SS-19B	ND		Baseball field
SS-20A	ND		Baseball field
SS-20B	ND		Baseball field
SS-21A	ND		Baseball field
SS-21B	ND		Baseball field
SS-23A	ND		Baseball field
SS-23B	ND		Baseball field
SS-24A	ND		Baseball field
SS-24B	ND		Baseball field
SS-25A	ND		Baseball field
SS-25B	ND		Baseball field
SS-26A	ND		Baseball field
SS-26B	ND		Baseball field
SS-27A	ND		Baseball field
SS-27B	ND		Baseball field
SS-28A	ND		Baseball field
SS-28B	ND		Baseball field
SS-29A	ND		Baseball field
SS-29B	ND	0.04 ppm (A1260)	Baseball field
SS-30A	ND		Baseball field
SS-30B	ND		Baseball field
SS-31A	ND		Baseball field
SS-31B	ND	Possible low A1254	Baseball field

TABLE 3

PCB FIELD SCREENING RESULTS
SOIL AND SEDIMENT SAMPLES
PARK STREET SITE
BENNINGTON, VERMONT
Results in mg/Kg

Sample Number	Aroclor 1242	Comments	Sample Location
SS-32A	9.6	Weathered	Baseball field
SS-32B	1.0	Weathered	Baseball field
SS-33A	0.4	Weathered	Baseball field
SS-33B	ND		Baseball field
SS-101A	ND		(b) (6) Property
SS-102A	ND		(b) (6) Property
SS-103A	ND		(b) (6) Property
SS-103B	ND		(b) (6) Property
SS-104A	ND		(b) (6) Property
SS-104B	ND		(b) (6) Property
SS-105A	ND		(b) (6) Property
SS-105B	ND		(b) (6) Property
SS-106A	ND	0.04 ppm (A1260 OR A1262)	(b) (6) Property
SS-106B	ND	0.4 ppm (A1260 OR A1262)	(b) (6) Property
SS-107A	ND		(b) (6) Property
SS-107B	ND		(b) (6) Property
SS-112B	ND		(b) (6) Property
SS-201A	ND		(b) (6) Property
SS-201B	ND		(b) (6) Property
SS-202A	ND		(b) (6) Property
SS-202B	ND		(b) (6) Property
SS-203A	ND		(b) (6) Property
SS-204A	0.1	Weathered	(b) (6) Property
SS-204B	ND		(b) (6) Property
SS-205A	ND		(b) (6) Property
SS-205B	ND		(b) (6) Property
SS-206A_Soil	ND		(b) (6) Property
SS-206A_Ash	ND		(b) (6) Property
SS-206B	ND		(b) (6) Property
SS-207A	0.11	Weathered	(b) (6) Property
SS-207B	ND		(b) (6) Property
SS-208A	ND		(b) (6) Property
SS-209A	3.6	Weathered	(b) (6) Property
SS-210A	7.7	Weathered	(b) (6) Property
SS-211A	9.0	Weathered	(b) (6) Property
SS-211B	12	Weathered	(b) (6) Property
SP-01	0.8	Weathered	Baseball field (adjacent to Jard)
SP-01A	0.4	Weathered	Baseball field (adjacent to Jard)
SP-01B	ND		Baseball field (adjacent to Jard)
SP-02	1.5	Weathered	Baseball field (adjacent to Jard)
SP-02A	ND		Baseball field (adjacent to Jard)
SP-02B	ND		Baseball field (adjacent to Jard)
SP-03	0.2	Weathered	Baseball field (adjacent to Jard)
SP-04	0.4	Weathered	Baseball field (adjacent to Jard)
SP-05	2.2	Weathered	Baseball field (adjacent to Jard)
SP-06	ND		Baseball field (adjacent to Jard)
SP-07	ND		Baseball field (adjacent to Jard)
FS-01	ND		
FS-02	14.0	Weathered	
FS-03	11.0	Weathered	
FS-101	2.1	Weathered, 0.5 ppm (A1260 or A1262)	
SD-01	2.5	Weathered	Wetlands
SD-02	ND		Wetlands
SD-03	ND		Wetlands
SD-04	ND		Wetlands
SD-05	5.4	Weathered	Wetlands

TABLE 3

PCB FIELD SCREENING RESULTS
SOIL AND SEDIMENT SAMPLES
PARK STREET SITE
BENNINGTON, VERMONT
Results in mg/Kg

Sample Number	Aroclor 1242	Comments	Sample Location
SD-06	ND		Wetlands
SD-07	0.8	Weathered	Wetlands
SD-08	0.2	Weathered	Wetlands
SD-09	ND		Wetlands

NOTES:

1) Soil samples analyzed using U.S. EPA Office of Environmental Measurement and Evaluation (OEME) Region I SOP, FLDPCB2, PCBs Field Testing for Soil and Sediment Samples.
2) Results in parts per million (ppm), equivalent to milligrams per Kilogram (mg/Kg).
3) PCB reported as "A1242 weathered" could very well be PCB A1016 or PCB A1232.
4) ND = Not Detected.
5) SS = Surface Soil
6) SP = Soil Pile.
7) FS = Floor Sweeping.
8) SD = Sediment.

TABLE 4

SUMMARY OF POLYCHLORINATED BIPHENYL RESULTS
SURFACE AND SUBSURFACE SOIL AND SEDIMENT SAMPLES
PARK STREET SITE
BENNINGTON, VERMONT
Results in mg/Kg

SAMPLE LOCATION SAMPLE NUMBER DEPTH	SS-01A R01-120403CY-0001 0-12 inches	SS-02A R01-120403CY-0003 0-12 inches	SS-08A R01-120403CY-0012 0-12 inches	SP-02 R01-120403CY-0021 0-3 inches
COMPOUND				
Aroclor-1242	0.33	ND	ND	0.75 P
Aroclor-1260	ND	ND	ND	ND

SAMPLE LOCATION SAMPLE NUMBER DEPTH	SP-04 R01-120403CY-0023 0-3 inches	SS-14B R01-120403CY-0029 12-24 inches	SS-15B R01-120403CY-0031 12-24 inches	SS-29B R01-120403CY-0056 12-24 inches
COMPOUND				
Aroclor-1242	0.09 P	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND

SAMPLE LOCATION SAMPLE NUMBER DEPTH	SS-31B R01-120403CY-0060 12-24 inches	SP-05 R01-120403CY-0063 0-3 inches	SS-106B R01-120403CY-0071 12-24 inches	SS-211B R01-120403CY-0072 12-24 inches
COMPOUND				
Aroclor-1242	ND	1.2 P	ND	5.9 P
Aroclor-1260	ND	ND	0.61	ND

NOTES:

1) Samples analyzed by U.S. EPA Office of Environmental Measurement and Evaluation (OEME) using EPA Region I SOP, EIASOP-PESTSOIL3.SOP, PCBs Medium level in Soil and Sediments.
2) All Results in Milligrams per Kilogram (mg/Kg).
3) ND = Not Detected.
4) P = The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported. See Analytical Data reports.

TABLE 4

SUMMARY OF POLYCHLORINATED BIPHENYL RESULTS
SURFACE AND SUBSURFACE SOIL AND SEDIMENT SAMPLES
PARK STREET SITE
BENNINGTON, VERMONT
Results in mg/Kg

SAMPLE LOCATION SAMPLE NUMBER DEPTH	SD-07 R01-120403CY-0073 0-12 inches	SD-05 R01-120403CY-0074 0-12 inches	SS-210 R01-120403CY-0075 0-12 inches	FS-02 R01-120403CY-0076 0-6 inches
COMPOUND				
Aroclor-1242	0.75	6.8	6.7	0.82 P
Aroclor-1260	ND	ND	ND	ND

SAMPLE LOCATION SAMPLE NUMBER DEPTH	SD-01 R01-120403CY-0077 0-12 inches	SD-06 R01-120403CY-0078 0-12 inches	FS-101 R01-120403CY-0079 0-6 inches
COMPOUND			
Aroclor-1242	0.41	1.4	1.1 P
Aroclor-1260	ND	ND	0.51

NOTES:

1) Samples analyzed by U.S. EPA Office of Environmental Measurement and Evaluation (OEME) using EPA Region I SOP, EIASOP-PESTSOIL3.SOP, PCBs Medium level in Soil and Sediments.
2) All Results in Milligrams per Kilogram (mg/Kg).
3) ND = Not Detected.
4) P = The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported. See Analytical Data reports.

TABLE 5

SUMMARY OF POLYCHLORINATED BIPHENYL RESULTS
SURFACE WATER SAMPLES
PARK STREET SITE
BENNINGTON, VERMONT
Results in µg/L

SAMPLE LOCATION	SW-101	SW-102	SW-103	SW-104	SW-201	SW-202
SAMPLE NUMBER	R01-120403CY-0082	R01-120403CY-0083	R01-120403CY-0086	R01-120403CY-0084	R01-120403CY-0080	R01-120403CY-0081
COMPOUND						
Aroclor-1248	0.42 PL	ND	ND	ND	1.3	0.66

NOTES:

1) Samples analyzed by U.S. EPA Office of Environmental Measurement and Evaluation (OEME) using EPA Region I SOP, EIASOP-PESWALL6, PCBs in Water Low Level.
2) All Results in Micrograms per Liter (µg/L).
3) ND = Not Detected.
4) P = The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported. See Analytical Data reports.
5) L = Estimated value is below the calibration range. See Analytical Data reports.

Appendix C

Photodocumentation Log

SCENE: View of the berm between the baseball fields and the former Jard property. Photograph taken facing east.

DATE: 3 April 2012 **TIME:** 1027 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of southern baseball field. Photograph taken facing east.

DATE: 3 April 2012 **TIME:** 1027 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of sample location SS-20. Photograph taken facing east.

DATE: 3 April 2012 **TIME:** 0840 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the centrally located baseball field. Photograph taken facing east.

DATE: 4 April 2012 **TIME:** 0840 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the mobile laboratory staged in a parking lot adjacent to the baseball fields. Photograph taken facing north.
DATE: 4 April 2012 **TIME:** 0841 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the area between the central and southern baseball fields. Photograph taken facing east.

DATE: 4 April 2012 **TIME:** 0841 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the area between the central and southern baseball fields. Photograph taken facing east.

DATE: 4 April 2012 **TIME:** 0842 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the area between the central and southern baseball fields bordering the former Jard site. Photograph taken facing east.

DATE: 4 April 2012 **TIME:** 0843 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the area between the central and southern baseball fields bordering the former Jard site. Photograph taken facing east.
DATE: 4 April 2012 **TIME:** 0843 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the southern baseball field. Photograph taken facing north.

DATE: 4 April 2012 **TIME:** 0844 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the southern baseball field. Photograph taken facing north.

DATE: 4 April 2012 **TIME:** 0844 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the area between the central and southern baseball fields bordering the former Jard site. Photograph taken facing east.

DATE: 4 April 2012 **TIME:** 0844 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the area between the central and southern baseball fields bordering the former Jard site. Photograph taken facing east.
DATE: 4 April 2012 **TIME:** 0844 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the area between the central and southern baseball fields bordering the former Jard site. Photograph taken facing west.
DATE: 4 April 2012 **TIME:** 0846 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the area between the central and southern baseball fields bordering the former Jard site. Photograph taken facing north.
DATE: 4 April 2012 **TIME:** 0846 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of sample location SS-101 at the (b) (6) Residence. Photograph taken facing south.

DATE: 4 April 2012 **TIME:** 1417 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of the (b) (6) Residence. Photograph taken facing west.

DATE: 4 April 2012 **TIME:** 1417 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of sample location SS-101 at the (b) (6) Residence. Photograph taken facing east.

DATE: 4 April 2012 **TIME:** 1419 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of sample location SS-102 at the (b) (6) Residence. Photograph taken facing east.

DATE: 4 April 2012 **TIME:** 1423 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of sample location SS-106 at the (b) (6) Residence. Photograph taken facing west.

DATE: 4 April 2012 **TIME:** 1423 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of sample location SS-103 at the (b) (6) Residence. Photograph taken facing north.

DATE: 4 April 2012 **TIME:** 1425 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

SCENE: View of sample location SS-104 at the (b) (6) Residence. Photograph taken facing south.

DATE: 4 April 2012 **TIME:** 1426 hours
PHOTOGRAPHER: M. Hall **CAMERA:** iPhone 4S

Appendix D

Chain-of-Custody Record

 PN: 1204001O

12-03-0002
0779

CHAIN OF CUSTODY RECORD
Park Street - Bennington VT
Contact Name: Mark Hall
Contact Phone: 978-621-1201

No: 1-040612-090832-0001

Lab: NERL
Date Delivered: 4/6/12

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	MS/MSD	Sample_Remarks
	R01-120403CY-0001	SS-01A	PCBs	Soil	4/3/2012	08:30	1	4 oz Amber		
	R01-120403CY-0003	SS-02A	PCBs	Soil	4/3/2012	09:19	1	4 oz Amber		
	R01-120403CY-0012	SS-08A	PCBs	Soil	4/3/2012	11:15	1	8 oz Amber	Y	
	R01-120403CY-0021	SP-02	PCBs	Soil	4/3/2012	11:20	1	4 oz Amber		
	R01-120403CY-0023	SP-04	PCBs	Soil	4/3/2012	11:30	1	4 oz Amber		
	R01-120403CY-0029	SS-14B	PCBs	Soil	4/3/2012	11:37	1	4 oz Amber		
	R01-120403CY-0031	SS-15B	PCBs	Soil	4/3/2012	11:52	1	4 oz Amber		
	R01-120403CY-0056	SS-29B	PCBs	Soil	4/4/2012	08:50	1	4 oz Amber		
	R01-120403CY-0060	SS-31B	PCBs	Soil	4/4/2012	09:15	1	4 oz Amber		
	R01-120403CY-0063	SP-05	PCBs	Soil	4/4/2012	11:10	1	4 oz Amber		
	R01-120403CY-0071	SS-106B	PCBs	Soil	4/4/2012	14:45	1	4 oz Amber		
	R01-120403CY-0072	SS-211B	PCBs	Soil	4/4/2012	10:50	1	4 oz Amber		
	R01-120403CY-0073	SD-07	PCBs	Sediment	4/5/2012	14:10	1	8 oz Amber		
	R01-120403CY-0074	SD-05	PCBs	Sediment	4/5/2012	14:05	1	8 oz Amber		
	R01-120403CY-0075	SS-210	PCBs	Soil	4/5/2012	09:10	1	4 oz Amber		
	R01-120403CY-0076	FS-02	PCBs	Soil	4/5/2012	11:20	1	4 oz Amber		
	R01-120403CY-0077	SD-01	PCBs	Sediment	4/5/2012	14:05	1	8 oz Amber		
	R01-120403CY-0078	SD-06	PCBs	Sediment	4/5/2012	14:05	1	8 oz Amber		
	R01-120403CY-0079	FS-101	PCBs	Soil	4/5/2012	15:35	1	4 oz Amber		

Special Instructions:	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Andrea Zanibas	4/6/12		4/6/12	14:30						

 PN: 120400 10

12-03-0002
0779

CHAIN OF CUSTODY RECORD

Park Street - Bennington VT
Contact Name: Mark Hall
Contact Phone: 978-621-1201

No: 1-040612-090832-0001

Lab: NERL
Date Delivered: 4/6/12

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	MS/MSD	Sample_Remarks
	R01-120403CY-0080	SW-201	PCBs	Surface Water	4/5/2012	09:00	2	32 oz amber glass		
	R01-120403CY-0081	SW-202	PCBs	Surface Water	4/5/2012	10:45	2	32 oz amber glass		
	R01-120403CY-0082	SW-101	PCBs	Surface Water	4/5/2012	13:55	2	32 oz amber glass		
	R01-120403CY-0083	SW-102	PCBs	Surface Water	4/5/2012	14:05	2	32 oz amber glass		
	R01-120403CY-0084	SW-104	PCBs	Surface Water	4/5/2012	13:55	2	32 oz amber glass		
	R01-120403CY-0086	SW-103	PCBs	Surface Water	4/5/2012	14:15	2	32 oz amber glass		
	R01-120403CY-0087	RB-01	PCBs	Blank	4/5/2012	15:30	2	32 oz amber glass		
	R01-120403CY-0088	RB-02	PCBs	Blank	4/5/2012	15:35	2	32 oz amber glass		
	R01-120403CY-0089	PE-AS1416	PCBs	Lab Sand	4/6/2012	06:00	1	2 oz Amber		
	R01-120403CY-0090	PE-AA0232	PCBs	Water	4/6/2012	06:00	1	Vial		

Special Instructions:	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Andrew Stonebas	4/6/12		4/6/12	14:30						

Appendix E

Analytical Data

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 1
OFFICE OF ENVIRONMENTAL MEASUREMENT & EVALUATION
NORTH CHELMSFORD, MASSACHUSETTS 01863-2431

MEMORANDUM

DATE: April 13, 2012

SUBJECT: **Park Street, Bennington, VT - PCB Field Analytical Results**

FROM: Scott Clifford, Chemist SC 4/13/12

TO: Cathy Young, OSC

THRU: Dan Boudreau, Chemistry Team Leader DB 4/23/12

PROJECT NUMBER: 12040009

DATE OF ANALYSIS: 04/03/12 - 04/05/12

ANALYTICAL PROCEDURE:
Soils were analyzed for PCBs using EPA Region I SOP for PCBs Field Testing for Soils and Sediment samples (EIA-FLDPCB2.SOP). Approximately 1 gram of sample was weighed into a 4 ml vial. To this was added 200 µL water, 800 µL methanol and 1000 µL hexane. The sample mix was vortexed for approximately one minute and then centrifuged. A portion of the hexane extract was analyzed on a Shimadzu gas chromatograph equipped with an electron-capture detector and 30 meter, 0.53mm ID MXT-5 or equivalent column. Concentrations of PCBs in soil were calculated using the external standard technique.

TARGET COMPOUNDS:

PCB A1242

PROJECT NOTE: PCB reported as "A1242 weathered" could very well be PCB A1016 or PCB A1232

Discussion:

Analysis on the Shimadzu Model GC 14A or 8A is used for tentative identification and semi-quantitation of PCBs in soil, oil and sediment samples. This field technique is not meant to substitute for the CLP PCBs in soil protocol. This analysis technique can, however save costly analysis time when full protocol is not required.

File: K:\CHEMISTRY\REPORTS\FIELD\12040009fdpcb.xls

Results are in columns below. ND( ) is not detected with the reporting level in parenthesis. Soil PCB results are based on sample wet weight.

Park Street, Bennington, VT - PCB Field Analytical Results
04/03/12 -04/05/12

	PCB Aroclor Results Wet Weight ppm	
Sample #	Aroclor 1242	Other
SS-13B_LAB_DUP	ND(0.2)	
SS-17A	ND(0.2)	
SS-29A	ND(0.2)	
SS-29B	ND(0.2)	0.04 ppm A-1260
SS-25A	ND(0.2)	
SS-25B	ND(0.2)	
SS-26A	ND(0.2)	
SS-26B	ND(0.2)	
SS-24A	ND(0.2)	
SS-24B	ND(0.3)	
SS-24B_LAB_DUP	ND(0.2)	
SS-31A	ND(0.2)	
SS-31B	ND(0.2)	possible low A1254
SS-27A	ND(0.2)	
SS-27B	ND(0.2)	
SS-28A	ND(0.2)	
SS-28B	ND(0.2)	
SS-30A	ND(0.2)	
SS-30B	ND(0.2)	
SS-23A	ND(0.2)	
SS-23B	ND(0.2)	
SP-01A	0.4 weathered	
SP-01B	ND(0.2)	
SP-05	2.2 weathered	
SP-06	ND(0.2)	
SP-07	ND(0.2)	
SS-32A	9.6 weathered	
SS-32B	1.0 weathered	
SP-02A	ND(0.2)	
SP-02B	ND(0.2)	
SS-33A	0.4 weathered	
SS-33B	ND(0.2)	
SS-112B	ND(0.2)	
SS-101A	ND(0.2)	
SS-103A	ND(0.2)	
SS-103B	ND(0.2)	
SS-104A	ND(0.2)	
SS-104A_LAB_DUP	ND(0.2)	
SS-104B	ND(0.2)	
SS-106B	ND(0.5)	0.4 A1260 or A1262
SS-106A	ND(0.2)	0.04 ppm A1260 or A1262
SS-102A	ND(0.2)	
SS-105A	ND(0.2)	
SS-105B	ND(0.2)	
SS-107A	ND(0.2)	

Results are in columns below. ND( ) is not detected with the reporting level in parenthesis. Soil PCB results are based on sample wet weight.

Park Street, Bennington, VT - PCB Field Analytical Results
04/03/12 -04/05/12

	PCB Aroclor Results Wet Weight ppm	
Sample #	Aroclor 1242	Other
SS-107B	ND(0.2)	
SS-201A	ND(0.2)	
SS-201A_LAB_DUP	ND(0.2)	
SS-201B	ND(0.2)	
SS-210	7.7 weathered	
SS-202A	ND(0.2)	
SS-203A	ND(0.2)	
SS-204A	0.1 weathered	
SS-204B	ND(0.2)	
SS-202B	ND(0.2)	
SS-205A	ND(0.2)	
SS-205B	ND(0.2)	
SS-207A	0.11 weathered	
SS-207B	ND(0.2)	
SS-208A	ND(0.2)	
SS-206A_SOIL	ND(0.2)	
SS-206A_ASH	ND(0.2)	
SS-206B	ND(0.2)	
SS-209A (wet)	3.6 weathered	
SS-211A (wet)	9.0 weathered	
SS-211B (very wet)	12 weathered	
FS-01	ND(0.2)	
FS-02	14 weathered	
FS-03	11 weathered	
SD-01 (very wet)	2.5 weathered	
SD-02	ND(0.2)	
SD-03	ND(0.2)	
SD-06	ND(0.2)	
SD-04	ND(0.2)	
SD-05	5.4 weathered	
SD-07 (very wet)	0.8 weathered	
SD-08 (very wet)	0.2 weathered	
SD-09	ND(0.2)	
FS-101	2.1 weathered	0.5 A1260 or A1262

EPA
Region 1, New England

United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

May 23, 2012

Cathy Young - Mail Code OSRR02-2
US EPA New England R1

Project Number: 12040010
Project: Park Street - Bennington, VT
Analysis: PCBs Medium Level in Soils and Sediments
Analyst: Paul Carroll 5.23.12

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, PESTSOIL3.SOP.

The SOP is based on EPA SW-846 Method 8082

The analysis was performed using high resolution capillary column chromatography on an Agilent 6890 Series gas chromatograph equipped with dual electron capture detectors. The 30 meter dual capillary column system consists of a J&W DB-5 and J&W DB-1701, both with 0.25mm ID and 0.25 micron film thickness.

The results are reported on a dry weight basis.

Date Samples Received by the Laboratory : 04/06/2012
Data were reviewed in accordance with the internal verification procedures described in the EPA New England OEME Chemistry QA Plan.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

Report may contain multiple sections and each section will be numbered independently.

If you have any questions please call me at 617-918-8340 .

Sincerely,

Daniel N. Boudreau 5/24/12
Daniel N. Boudreau
Chemistry Team Leader

Qualifiers:

- **RL** Reporting limit
- **ND** Not Detected above Reporting limit
- **NA** Not Applicable due to high sample dilutions or sample interferences
- **J** Estimated value
- **E** Estimated value exceeds the calibration range
- **L** Estimated value is below the calibration range
- **B** Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank.
- **P** The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported.
- **C** The identification has been confirmed by GC/MS.
- **R** No recovery was calculated since the analyte concentration is greater than four times the spike level.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0001	Lab Sample ID:	AB28624
Date of Collection:	4/3/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	82%
Dry Weight Extracted:	5.67 grams	Extract Dilution:	1
Wet Weight Extracted:	6.92 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	**0.33**	0.09	
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
11100-14-4	Aroclor-1262	ND	0.09	
37324-23-5	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	92	36 - 131
Decachlorobiphenyl	119	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0003	Lab Sample ID:	AB28625
Date of Collection:	4/3/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	83%
Dry Weight Extracted:	5.66 grams	Extract Dilution:	1
Wet Weight Extracted:	6.82 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
11100-14-4	Aroclor-1262	ND	0.09	
37324-23-5	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	78	36 - 131
Decachlorobiphenyl	108	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0012	Lab Sample ID:	AB28626
Date of Collection:	4/3/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	82%
Dry Weight Extracted:	5.42 grams	Extract Dilution:	1
Wet Weight Extracted:	6.57 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
11100-14-4	Aroclor-1262	ND	0.09	
37324-23-5	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	84	36 - 131
Decachlorobiphenyl	111	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0021	Lab Sample ID:	AB28627
Date of Collection:	4/3/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	85%
Dry Weight Extracted:	5.28 grams	Extract Dilution:	1
Wet Weight Extracted:	6.24 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	**0.75**	0.09	P
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
11100-14-4	Aroclor-1262	ND	0.09	
37324-23-5	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	82	36 - 131
Decachlorobiphenyl	113	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0023	Lab Sample ID:	AB28628
Date of Collection:	4/3/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	90%
Dry Weight Extracted:	6.23 grams	Extract Dilution:	1
Wet Weight Extracted:	6.91 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.08	
11104-28-2	Aroclor-1221	ND	0.08	
11141-16-5	Aroclor-1232	ND	0.08	
53469-21-9	Aroclor-1242	**0.09**	0.08	P
12672-29-6	Aroclor-1248	ND	0.08	
11097-69-1	Aroclor-1254	ND	0.08	
11096-82-5	Aroclor-1260	ND	0.08	
11100-14-4	Aroclor-1262	ND	0.08	
37324-23-5	Aroclor-1268	ND	0.08	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	70	36 - 131
Decachlorobiphenyl	105	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0029	Lab Sample ID:	AB28629
Date of Collection:	4/3/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	92%
Dry Weight Extracted:	6.39 grams	Extract Dilution:	1
Wet Weight Extracted:	6.95 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.08	
11104-28-2	Aroclor-1221	ND	0.08	
11141-16-5	Aroclor-1232	ND	0.08	
53469-21-9	Aroclor-1242	ND	0.08	
12672-29-6	Aroclor-1248	ND	0.08	
11097-69-1	Aroclor-1254	ND	0.08	
11096-82-5	Aroclor-1260	ND	0.08	
11100-14-4	Aroclor-1262	ND	0.08	
37324-23-5	Aroclor-1268	ND	0.08	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	72	36 - 131
Decachlorobiphenyl	114	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0031	Lab Sample ID:	AB28630
Date of Collection:	4/3/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	87%
Dry Weight Extracted:	6.04 grams	Extract Dilution:	1
Wet Weight Extracted:	6.93 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.08	
11104-28-2	Aroclor-1221	ND	0.08	
11141-16-5	Aroclor-1232	ND	0.08	
53469-21-9	Aroclor-1242	ND	0.08	
12672-29-6	Aroclor-1248	ND	0.08	
11097-69-1	Aroclor-1254	ND	0.08	
11096-82-5	Aroclor-1260	ND	0.08	
11100-14-4	Aroclor-1262	ND	0.08	
37324-23-5	Aroclor-1268	ND	0.08	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	74	36 - 131
Decachlorobiphenyl	113	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0056	Lab Sample ID:	AB28631
Date of Collection:	4/4/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	87%
Dry Weight Extracted:	5.94 grams	Extract Dilution:	1
Wet Weight Extracted:	6.85 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.08	
11104-28-2	Aroclor-1221	ND	0.08	
11141-16-5	Aroclor-1232	ND	0.08	
53469-21-9	Aroclor-1242	ND	0.08	
12672-29-6	Aroclor-1248	ND	0.08	
11097-69-1	Aroclor-1254	ND	0.08	
11096-82-5	Aroclor-1260	ND	0.08	
11100-14-4	Aroclor-1262	ND	0.08	
37324-23-5	Aroclor-1268	ND	0.08	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	74	36 - 131
Decachlorobiphenyl	99	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0060	Lab Sample ID:	AB28632
Date of Collection:	4/4/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	86%
Dry Weight Extracted:	5.80 grams	Extract Dilution:	1
Wet Weight Extracted:	6.78 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
11100-14-4	Aroclor-1262	ND	0.09	
37324-23-5	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	87	36 - 131
Decachlorobiphenyl	114	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0063	Lab Sample ID:	AB28633
Date of Collection:	4/4/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	94%
Dry Weight Extracted:	6.26 grams	Extract Dilution:	1
Wet Weight Extracted:	6.68 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.08	
11104-28-2	Aroclor-1221	ND	0.08	
11141-16-5	Aroclor-1232	ND	0.08	
53469-21-9	Aroclor-1242	**1.2**	0.08	P
12672-29-6	Aroclor-1248	ND	0.08	
11097-69-1	Aroclor-1254	ND	0.08	
11096-82-5	Aroclor-1260	ND	0.08	
11100-14-4	Aroclor-1262	ND	0.08	
37324-23-5	Aroclor-1268	ND	0.08	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	83	36 - 131
Decachlorobiphenyl	107	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

US ENVIRONMENTAL PROTECTION AGENCY
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Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0071	Lab Sample ID:	AB28634
Date of Collection:	4/4/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	72%
Dry Weight Extracted:	4.76 grams	Extract Dilution:	1
Wet Weight Extracted:	6.63 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.11	
11104-28-2	Aroclor-1221	ND	0.11	
11141-16-5	Aroclor-1232	ND	0.11	
53469-21-9	Aroclor-1242	ND	0.11	
12672-29-6	Aroclor-1248	ND	0.11	
11097-69-1	Aroclor-1254	ND	0.11	
11096-82-5	Aroclor-1260	**0.61**	0.11	
11100-14-4	Aroclor-1262	ND	0.11	
37324-23-5	Aroclor-1268	ND	0.11	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	84	36 - 131
Decachlorobiphenyl	126	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

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PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0072	Lab Sample ID:	AB28635
Date of Collection:	4/4/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	75%
Dry Weight Extracted:	4.83 grams	Extract Dilution:	5
Wet Weight Extracted:	6.46 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.52	
11104-28-2	Aroclor-1221	ND	0.52	
11141-16-5	Aroclor-1232	ND	0.52	
53469-21-9	Aroclor-1242	**5.9**	0.52	P
12672-29-6	Aroclor-1248	ND	0.52	
11097-69-1	Aroclor-1254	ND	0.52	
11096-82-5	Aroclor-1260	ND	0.52	
11100-14-4	Aroclor-1262	ND	0.52	
37324-23-5	Aroclor-1268	ND	0.52	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	92	36 - 131
Decachlorobiphenyl	116	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0073	Lab Sample ID:	AB28636
Date of Collection:	4/5/2012	Matrix	Sediment
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	51%
Dry Weight Extracted:	3.56 grams	Extract Dilution:	1
Wet Weight Extracted:	6.92 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.14	
11104-28-2	Aroclor-1221	ND	0.14	
11141-16-5	Aroclor-1232	ND	0.14	
53469-21-9	Aroclor-1242	**0.75**	0.14	
12672-29-6	Aroclor-1248	ND	0.14	
11097-69-1	Aroclor-1254	ND	0.14	
11096-82-5	Aroclor-1260	ND	0.14	
11100-14-4	Aroclor-1262	ND	0.14	
37324-23-5	Aroclor-1268	ND	0.14	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	28	36 - 131
Decachlorobiphenyl	37	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

TCX surrogate recovery is below the QC limit. The DCB recovery is within specification.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0074	Lab Sample ID:	AB28637
Date of Collection:	4/5/2012	Matrix	Sediment
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	68%
Dry Weight Extracted:	4.89 grams	Extract Dilution:	5
Wet Weight Extracted:	7.20 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.51	
11104-28-2	Aroclor-1221	ND	0.51	
11141-16-5	Aroclor-1232	ND	0.51	
53469-21-9	Aroclor-1242	**6.8**	0.51	
12672-29-6	Aroclor-1248	ND	0.51	
11097-69-1	Aroclor-1254	ND	0.51	
11096-82-5	Aroclor-1260	ND	0.51	
11100-14-4	Aroclor-1262	ND	0.51	
37324-23-5	Aroclor-1268	ND	0.51	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	95	36 - 131
Decachlorobiphenyl	118	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0075	Lab Sample ID:	AB28638
Date of Collection:	4/5/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	79%
Dry Weight Extracted:	4.89 grams	Extract Dilution:	5
Wet Weight Extracted:	6.17 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.51	
11104-28-2	Aroclor-1221	ND	0.51	
11141-16-5	Aroclor-1232	ND	0.51	
53469-21-9	Aroclor-1242	**6.7**	0.51	
12672-29-6	Aroclor-1248	ND	0.51	
11097-69-1	Aroclor-1254	ND	0.51	
11096-82-5	Aroclor-1260	ND	0.51	
11100-14-4	Aroclor-1262	ND	0.51	
37324-23-5	Aroclor-1268	ND	0.51	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	83	36 - 131
Decachlorobiphenyl	106	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0076	Lab Sample ID:	AB28639
Date of Collection:	4/5/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	97%
Dry Weight Extracted:	5.77 grams	Extract Dilution:	1
Wet Weight Extracted:	5.94 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	**0.82**	0.09	P
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
11100-14-4	Aroclor-1262	ND	0.09	
37324-23-5	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	83	36 - 131
Decachlorobiphenyl	110	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0077	Lab Sample ID:	AB28640
Date of Collection:	4/5/2012	Matrix	Sediment
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	63%
Dry Weight Extracted:	4.95 grams	Extract Dilution:	1
Wet Weight Extracted:	7.89 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	**0.41**	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	82	36 - 131
Decachlorobiphenyl	102	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0078	Lab Sample ID:	AB28641
Date of Collection:	4/5/2012	Matrix	Sediment
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	52%
Dry Weight Extracted:	4.13 grams	Extract Dilution:	5
Wet Weight Extracted:	7.89 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.61	
11104-28-2	Aroclor-1221	ND	0.61	
11141-16-5	Aroclor-1232	ND	0.61	
53469-21-9	Aroclor-1242	**1.4**	0.61	
12672-29-6	Aroclor-1248	ND	0.61	
11097-69-1	Aroclor-1254	ND	0.61	
11096-82-5	Aroclor-1260	ND	0.61	
11100-14-4	Aroclor-1262	ND	0.61	
37324-23-5	Aroclor-1268	ND	0.61	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	96	36 - 131
Decachlorobiphenyl	120	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0079	Lab Sample ID:	AB28642
Date of Collection:	4/5/2012	Matrix	Soil
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/29/12	Percent Solids:	60%
Dry Weight Extracted:	3.73 grams	Extract Dilution:	1
Wet Weight Extracted:	6.20 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.13	
11104-28-2	Aroclor-1221	ND	0.13	
11141-16-5	Aroclor-1232	ND	0.13	
53469-21-9	Aroclor-1242	**1.1**	0.13	P
12672-29-6	Aroclor-1248	ND	0.13	
11097-69-1	Aroclor-1254	ND	0.13	
11096-82-5	Aroclor-1260	**0.51**	0.13	
11100-14-4	Aroclor-1262	ND	0.13	
37324-23-5	Aroclor-1268	ND	0.13	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	52	36 - 131
Decachlorobiphenyl	98	30 - 165

Comments: The chromatographic pattern of this sample was similar to several different Aroclors (i.e. AR1242, Ar1248, AR1232) and identical to none. We are reporting this as Aroclor 1242.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	R01-120403CY-0089	Lab Sample ID:	AB28651
Date of Collection:	4/6/2012	Matrix	PE-Sand
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/30/12	Percent Solids:	100%
Dry Weight Extracted:	5.10 grams	Extract Dilution:	1
Wet Weight Extracted:	5.10 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	**0.49**	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	92	36 - 131
Decachlorobiphenyl	107	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix	PE-Sand
Date of Extraction:	4/17/12	Final Volume:	5 mL
Date of Analysis:	4/28/12	Percent Solids:	100%
Dry Weight Extracted:	5.02 grams	Extract Dilution:	1
Wet Weight Extracted:	5.02 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	79	36 - 131
Decachlorobiphenyl	112	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

PCB MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) RECOVERY

Park Street - Bennington, VT

Sample ID: AB28626

PARAMETER	SPIKE ADDED mg/Kg	SAMPLE CONCENTRATION mg/Kg	MS CONCENTRATION mg/Kg	MS % REC	QC LIMITS (% REC)
Aroclor-1016	0.54	ND	0.56	103.7(	70 - 130
Aroclor-1260	0.54	ND	0.59	109.2(	53 - 130

PARAMETER	MSD SPIKE ADDED	MSD CONCENTRATION mg/Kg	MSD % REC	RPD %	QC LIMITS RPD
Aroclor-1016	0.55	0.58	105.45	2	50
Aroclor-1260	0.55	0.57	103.64	5	50

Samples in Batch: AB28624, AB28625, AB28626, AB28627, AB28628, AB28629, AB28630, AB28631, AB28632, AB28633, AB28634, AB28635, AB28636, AB28637, AB28638, AB28639, AB28640, AB28641, AB28642, AB28651

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

LABORATORY DUPLICATE RESULTS

Park Street - Bennington, VT

Sample ID: AB28626

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1016	ND	ND	ND	50
Aroclor-1221	ND	ND	ND	50
Aroclor-1232	ND	ND	ND	50
Aroclor-1242	ND	ND	ND	50
Aroclor-1248	ND	ND	ND	50
Aroclor-1254	ND	ND	ND	50
Aroclor-1260	ND	ND	ND	50
Aroclor-1262	ND	ND	ND	50
Aroclor-1268	ND	ND	ND	50

 PN: 1204010

12-03-0002
0779

CHAIN OF CUSTODY RECORD
Park Street - Bennington VT
Contact Name: Mark Hall
Contact Phone: 978-621-1201

No: 1-040612-090832-0001

Lab: NERL
Date Delivered: 4/6/12

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	MS/MSD	Sample_Remarks
	R01-120403CY-0001	SS-01A	PCBs	Soil	4/3/2012	08:30	1	4 oz Amber		
	R01-120403CY-0003	SS-02A	PCBs	Soil	4/3/2012	09:19	1	4 oz Amber		
	R01-120403CY-0012	SS-08A	PCBs	Soil	4/3/2012	11:15	1	8 oz Amber	Y	
	R01-120403CY-0021	SP-02	PCBs	Soil	4/3/2012	11:20	1	4 oz Amber		
	R01-120403CY-0023	SP-04	PCBs	Soil	4/3/2012	11:30	1	4 oz Amber		
	R01-120403CY-0029	SS-14B	PCBs	Soil	4/3/2012	11:37	1	4 oz Amber		
	R01-120403CY-0031	SS-15B	PCBs	Soil	4/3/2012	11:52	1	4 oz Amber		
	R01-120403CY-0056	SS-29B	PCBs	Soil	4/4/2012	08:50	1	4 oz Amber		
	R01-120403CY-0060	SS-31B	PCBs	Soil	4/4/2012	09:15	1	4 oz Amber		
	R01-120403CY-0063	SP-05	PCBs	Soil	4/4/2012	11:10	1	4 oz Amber		
	R01-120403CY-0071	SS-106B	PCBs	Soil	4/4/2012	14:45	1	4 oz Amber		
	R01-120403CY-0072	SS-211B	PCBs	Soil	4/4/2012	10:50	1	4 oz Amber		
	R01-120403CY-0073	SD-07	PCBs	Sediment	4/5/2012	14:10	1	8 oz Amber		
	R01-120403CY-0074	SD-05	PCBs	Sediment	4/5/2012	14:05	1	8 oz Amber		
	R01-120403CY-0075	SS-210	PCBs	Soil	4/5/2012	09:10	1	4 oz Amber		
	R01-120403CY-0076	FS-02	PCBs	Soil	4/5/2012	11:20	1	4 oz Amber		
	R01-120403CY-0077	SD-01	PCBs	Sediment	4/5/2012	14:05	1	8 oz Amber		
	R01-120403CY-0078	SD-06	PCBs	Sediment	4/5/2012	14:05	1	8 oz Amber		
	R01-120403CY-0079	FS-101	PCBs	Soil	4/5/2012	15:35	1	4 oz Amber		

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Andrea Zanibas	4/6/12		4/6/12	14:30						

 PN: 120400 10

12-03-0002
0779

CHAIN OF CUSTODY RECORD

Park Street - Bennington VT
Contact Name: Mark Hall
Contact Phone: 978-621-1201

No: 1-040612-090832-0001

Lab: NERL
Date Delivered: 4/6/12

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	MS/MSD	Sample_Remarks
	R01-120403CY-0080	SW-201	PCBs	Surface Water	4/5/2012	09:00	2	32 oz amber glass		
	R01-120403CY-0081	SW-202	PCBs	Surface Water	4/5/2012	10:45	2	32 oz amber glass		
	R01-120403CY-0082	SW-101	PCBs	Surface Water	4/5/2012	13:55	2	32 oz amber glass		
	R01-120403CY-0083	SW-102	PCBs	Surface Water	4/5/2012	14:05	2	32 oz amber glass		
	R01-120403CY-0084	SW-104	PCBs	Surface Water	4/5/2012	13:55	2	32 oz amber glass		
	R01-120403CY-0086	SW-103	PCBs	Surface Water	4/5/2012	14:15	2	32 oz amber glass		
	R01-120403CY-0087	RB-01	PCBs	Blank	4/5/2012	15:30	2	32 oz amber glass		
	R01-120403CY-0088	RB-02	PCBs	Blank	4/5/2012	15:35	2	32 oz amber glass		
	R01-120403CY-0089	PE-AS1416	PCBs	Lab Sand	4/6/2012	06:00	1	2 oz Amber		
	R01-120403CY-0090	PE-AA0232	PCBs	Water	4/6/2012	06:00	1	Vial		

Special Instructions:	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Andrew Stonebas	4/6/12		4/6/12	14:30						

EPA
Region 1, New England

United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

May 01, 2012

Cathy Young - Mail Code OSRR02-2
US EPA New England R1

Project Number: 12040010
Project: Park Street - Bennington, VT
Analysis: PCBs in Water Low Level
Analyst: Paul Carroll 5.1.12

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, EIASOP-PESWALL6.

The SOP is based on "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, Method 608 - Organochlorine Pesticides and PCBS".

The analysis was carried out using high resolution capillary column chromatography. The 30 meter dual capillary system consists of J&W DB-5 and J&W DB-1701 columns both with a 0.25 mm ID.

Date Samples Received by the Laboratory: 04/06/2012

Data were reviewed in accordance with the internal verification procedures described in the EPA New England OEME Chemistry QA Plan.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

Report may contain multiple sections and each section will be numbered independently.

If you have any questions please call me at 617-918-8340 .

Sincerely,

5/3/12
Daniel N. Boudreau
Chemistry Team Leader

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
J = Estimated value
E = Estimated value exceeds the calibration range
L = Estimated value is below the calibration range
B = Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank.
P = The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported.
C = The identification has been confirmed by GC/MS.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs in Water Low Level

Client Sample ID:	R01-120403CY-0080	Lab Sample ID:	AB28643
Date of Collection:	4/5/2012	Matrix	Surface Water
Date of Extraction:	4/9/12	Final Volume:	5 mL
Date of Analysis:	4/24/12	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	6.9
Volume Extracted:	1000 mL	GPC Factor:	N/A

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
12674-11-2	Aroclor-1016	ND	0.50	
11104-28-2	Aroclor-1221	ND	0.50	
11141-16-5	Aroclor-1232	ND	0.50	
53469-21-9	Aroclor-1242	ND	0.50	
12672-29-6	Aroclor-1248	**1.3**	0.50	
11097-69-1	Aroclor-1254	ND	0.50	
11096-82-5	Aroclor-1260	ND	0.50	
11100-14-4	Aroclor-1262	ND	0.50	
37324-23-5	Aroclor-1268	ND	0.50	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	76	40 - 106
Decachlorobiphenyl	92	27 - 128

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs in Water Low Level

Client Sample ID:	R01-120403CY-0081	Lab Sample ID:	AB28644
Date of Collection:	4/5/2012	Matrix	Surface Water
Date of Extraction:	4/9/12	Final Volume:	5 mL
Date of Analysis:	4/24/12	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	6.9
Volume Extracted:	1000 mL	GPC Factor:	N/A

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
12674-11-2	Aroclor-1016	ND	0.55	
11104-28-2	Aroclor-1221	ND	0.55	
11141-16-5	Aroclor-1232	ND	0.55	
53469-21-9	Aroclor-1242	ND	0.55	
12672-29-6	Aroclor-1248	**0.66**	0.55	
11097-69-1	Aroclor-1254	ND	0.55	
11096-82-5	Aroclor-1260	ND	0.55	
11100-14-4	Aroclor-1262	ND	0.55	
37324-23-5	Aroclor-1268	ND	0.55	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	68	40 - 106
Decachlorobiphenyl	89	27 - 128

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs in Water Low Level

Client Sample ID:	R01-120403CY-0082	Lab Sample ID:	AB28645
Date of Collection:	4/5/2012	Matrix	Surface Water
Date of Extraction:	4/9/12	Final Volume:	5 mL
Date of Analysis:	4/24/12	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	7.1
Volume Extracted:	840 mL	GPC Factor:	N/A

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
12674-11-2	Aroclor-1016	ND	0.6	
11104-28-2	Aroclor-1221	ND	0.6	
11141-16-5	Aroclor-1232	ND	0.6	
53469-21-9	Aroclor-1242	ND	0.6	
12672-29-6	Aroclor-1248	**0.42**	0.6	P, L
11097-69-1	Aroclor-1254	ND	0.6	
11096-82-5	Aroclor-1260	ND	0.6	
11100-14-4	Aroclor-1262	ND	0.6	
37324-23-5	Aroclor-1268	ND	0.6	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	76	40 - 106
Decachlorobiphenyl	89	27 - 128

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs in Water Low Level

Client Sample ID:	R01-120403CY-0083	Lab Sample ID:	AB28646
Date of Collection:	4/5/2012	Matrix	Surface Water
Date of Extraction:	4/9/12	Final Volume:	5 mL
Date of Analysis:	4/24/12	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	7.8
Volume Extracted:	950 mL	GPC Factor:	N/A

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
12674-11-2	Aroclor-1016	ND	0.55	
11104-28-2	Aroclor-1221	ND	0.55	
11141-16-5	Aroclor-1232	ND	0.55	
53469-21-9	Aroclor-1242	ND	0.55	
12672-29-6	Aroclor-1248	ND	0.55	
11097-69-1	Aroclor-1254	ND	0.55	
11096-82-5	Aroclor-1260	ND	0.55	
11100-14-4	Aroclor-1262	ND	0.55	
37324-23-5	Aroclor-1268	ND	0.55	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	64	40 - 106
Decachlorobiphenyl	91	27 - 128

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs in Water Low Level

Client Sample ID:	R01-120403CY-0084	Lab Sample ID:	AB28647
Date of Collection:	4/5/2012	Matrix	Surface Water
Date of Extraction:	4/9/12	Final Volume:	5 mL
Date of Analysis:	4/24/12	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	7.8
Volume Extracted:	960 mL	GPC Factor:	N/A

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
12674-11-2	Aroclor-1016	ND	0.50	
11104-28-2	Aroclor-1221	ND	0.50	
11141-16-5	Aroclor-1232	ND	0.50	
53469-21-9	Aroclor-1242	ND	0.50	
12672-29-6	Aroclor-1248	ND	0.50	
11097-69-1	Aroclor-1254	ND	0.50	
11096-82-5	Aroclor-1260	ND	0.50	
11100-14-4	Aroclor-1262	ND	0.50	
37324-23-5	Aroclor-1268	ND	0.50	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	65	40 - 106
Decachlorobiphenyl	89	27 - 128

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs in Water Low Level

Client Sample ID:	R01-120403CY-0086	Lab Sample ID:	AB28648
Date of Collection:	4/5/2012	Matrix	Surface Water
Date of Extraction:	4/9/12	Final Volume:	5 mL
Date of Analysis:	4/24/12	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	7.8
Volume Extracted:	1000 mL	GPC Factor:	N/A

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
12674-11-2	Aroclor-1016	ND	0.50	
11104-28-2	Aroclor-1221	ND	0.50	
11141-16-5	Aroclor-1232	ND	0.50	
53469-21-9	Aroclor-1242	ND	0.50	
12672-29-6	Aroclor-1248	ND	0.50	
11097-69-1	Aroclor-1254	ND	0.50	
11096-82-5	Aroclor-1260	ND	0.50	
11100-14-4	Aroclor-1262	ND	0.50	
37324-23-5	Aroclor-1268	ND	0.50	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	67	40 - 106
Decachlorobiphenyl	91	27 - 128

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs in Water Low Level

Client Sample ID:	R01-120403CY-0087	Lab Sample ID:	AB28649
Date of Collection:	4/5/2012	Matrix	Water
Date of Extraction:	4/9/12	Final Volume:	5 mL
Date of Analysis:	4/24/12	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	6.4
Volume Extracted:	1000 mL	GPC Factor:	N/A

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
12674-11-2	Aroclor-1016	ND	0.50	
11104-28-2	Aroclor-1221	ND	0.50	
11141-16-5	Aroclor-1232	ND	0.50	
53469-21-9	Aroclor-1242	ND	0.50	
12672-29-6	Aroclor-1248	ND	0.50	
11097-69-1	Aroclor-1254	ND	0.50	
11096-82-5	Aroclor-1260	ND	0.50	
11100-14-4	Aroclor-1262	ND	0.50	
37324-23-5	Aroclor-1268	ND	0.50	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	61	40 - 106
Decachlorobiphenyl	69	27 - 128

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs in Water Low Level

Client Sample ID:	R01-120403CY-0088	Lab Sample ID:	AB28650
Date of Collection:	4/5/2012	Matrix	Water
Date of Extraction:	4/9/12	Final Volume:	5 mL
Date of Analysis:	4/24/12	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	5.9
Volume Extracted:	920 mL	GPC Factor:	N/A

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
12674-11-2	Aroclor-1016	ND	0.55	
11104-28-2	Aroclor-1221	ND	0.55	
11141-16-5	Aroclor-1232	ND	0.55	
53469-21-9	Aroclor-1242	ND	0.55	
12672-29-6	Aroclor-1248	ND	0.55	
11097-69-1	Aroclor-1254	ND	0.55	
11096-82-5	Aroclor-1260	ND	0.55	
11100-14-4	Aroclor-1262	ND	0.55	
37324-23-5	Aroclor-1268	ND	0.55	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	76	40 - 106
Decachlorobiphenyl	61	27 - 128

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

PCBs in Water Low Level

Client Sample ID:	R01-120403CY-0090	Lab Sample ID:	AB28652
Date of Collection:	4/6/2012	Matrix	PE-Water
Date of Extraction:	4/9/12	Final Volume:	5 mL
Date of Analysis:	4/24/12	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	2
Wet Weight Extracted:	N/A	pH:	5.8
Volume Extracted:	1000 mL	GPC Factor:	N/A

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
12674-11-2	Aroclor-1016	ND	1.0	
11104-28-2	Aroclor-1221	ND	1.0	
11141-16-5	Aroclor-1232	ND	1.0	
53469-21-9	Aroclor-1242	ND	1.0	
12672-29-6	Aroclor-1248	**8.7**	1.0	
11097-69-1	Aroclor-1254	ND	1.0	
11096-82-5	Aroclor-1260	**9.0**	1.0	
11100-14-4	Aroclor-1262	ND	1.0	
37324-23-5	Aroclor-1268	ND	1.0	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	68	40 - 106
Decachlorobiphenyl	72	27 - 128

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Park Street - Bennington, VT

Blank for PCBs Water

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix	PE-Water
Date of Extraction:	4/9/12	Final Volume:	5 mL
Date of Analysis:	4/24/12	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	5.8
Volume Extracted:	1000 mL	GPC Factor:	N/A

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
12674-11-2	Aroclor-1016	ND	0.50	
11104-28-2	Aroclor-1221	ND	0.50	
11141-16-5	Aroclor-1232	ND	0.50	
53469-21-9	Aroclor-1242	ND	0.50	
12672-29-6	Aroclor-1248	ND	0.50	
11097-69-1	Aroclor-1254	ND	0.50	
11096-82-5	Aroclor-1260	ND	0.50	
11100-14-4	Aroclor-1262	ND	0.50	
37324-23-5	Aroclor-1268	ND	0.50	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	81	25 - 123
Decachlorobiphenyl	91	32 - 145

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

PCB MATRIX SPIKE (MS) RECOVERY

Park Street - Bennington, VT

Sample ID: AB28650

PARAMETER	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	MS CONCENTRATION ug/L	MS % REC	QC LIMITS (% REC)
Aroclor-1254	3.00	ND	2.93	97.67	

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

LABORATORY DUPLICATE RESULTS

Park Street - Bennington, VT

Sample ID: AB28643

PARAMETER	SAMPLE RESULT ug/L	SAMPLE DUPLICATE RESULT ug/L	PRECISION RPD %	QC LIMITS
Aroclor-1016	ND	ND		50
Aroclor-1221	ND	ND		50
Aroclor-1232	ND	ND		50
Aroclor-1242	ND	ND		50
Aroclor-1248	1.3	1.5	14.29	50
Aroclor-1254	ND	ND		50
Aroclor-1260	ND	ND		50
Aroclor-1262	ND	ND		50
Aroclor-1268	ND	ND		50

 PN: 12040010

12-03-0002
0779

CHAIN OF CUSTODY RECORD

Park Street - Bennington VT
Contact Name: Mark Hall
Contact Phone: 978-621-1201

No: 1-040612-090832-0001

Lab: NERL
Date Delivered: 4/6/12

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	MS/MSD	Sample_Remarks
	R01-120403CY-0080	SW-201	PCBs	Surface Water	4/5/2012	09:00	2	32 oz amber glass		
	R01-120403CY-0081	SW-202	PCBs	Surface Water	4/5/2012	10:45	2	32 oz amber glass		
	R01-120403CY-0082	SW-101	PCBs	Surface Water	4/5/2012	13:55	2	32 oz amber glass		
	R01-120403CY-0083	SW-102	PCBs	Surface Water	4/5/2012	14:05	2	32 oz amber glass		
	R01-120403CY-0084	SW-104	PCBs	Surface Water	4/5/2012	13:55	2	32 oz amber glass		
	R01-120403CY-0086	SW-103	PCBs	Surface Water	4/5/2012	14:15	2	32 oz amber glass		
	R01-120403CY-0087	RB-01	PCBs	Blank	4/5/2012	15:30	2	32 oz amber glass		
	R01-120403CY-0088	RB-02	PCBs	Blank	4/5/2012	15:35	2	32 oz amber glass		
	R01-120403CY-0089	PE-AS1416	PCBs	Lab Sand	4/6/2012	06:00	1	2 oz Amber		
	R01-120403CY-0090	PE-AA0232	PCBs	Water	4/6/2012	06:00	1	Vial		

Special Instructions:	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Andrew Sandekas	4/6/12	[signature]	4/6/12	14:30						

HRS Reference #66

 PN: 1204010

12-03-0002
0779

CHAIN OF CUSTODY RECORD
Park Street - Bennington VT
Contact Name: Mark Hall
Contact Phone: 978-621-1201

No: 1-040612-090832-0001

Lab: NERL
Date Delivered: 4/6/12

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	MS/MSD	Sample_Remarks
	R01-120403CY-0001	SS-01A	PCBs	Soil	4/3/2012	08:30	1	4 oz Amber		
	R01-120403CY-0003	SS-02A	PCBs	Soil	4/3/2012	09:19	1	4 oz Amber		
	R01-120403CY-0012	SS-08A	PCBs	Soil	4/3/2012	11:15	1	8 oz Amber	Y	
	R01-120403CY-0021	SP-02	PCBs	Soil	4/3/2012	11:20	1	4 oz Amber		
	R01-120403CY-0023	SP-04	PCBs	Soil	4/3/2012	11:30	1	4 oz Amber		
	R01-120403CY-0029	SS-14B	PCBs	Soil	4/3/2012	11:37	1	4 oz Amber		
	R01-120403CY-0031	SS-15B	PCBs	Soil	4/3/2012	11:52	1	4 oz Amber		
	R01-120403CY-0056	SS-29B	PCBs	Soil	4/4/2012	08:50	1	4 oz Amber		
	R01-120403CY-0060	SS-31B	PCBs	Soil	4/4/2012	09:15	1	4 oz Amber		
	R01-120403CY-0063	SP-05	PCBs	Soil	4/4/2012	11:10	1	4 oz Amber		
	R01-120403CY-0071	SS-106B	PCBs	Soil	4/4/2012	14:45	1	4 oz Amber		
	R01-120403CY-0072	SS-211B	PCBs	Soil	4/4/2012	10:50	1	4 oz Amber		
	R01-120403CY-0073	SD-07	PCBs	Sediment	4/5/2012	14:10	1	8 oz Amber		
	R01-120403CY-0074	SD-05	PCBs	Sediment	4/5/2012	14:05	1	8 oz Amber		
	R01-120403CY-0075	SS-210	PCBs	Soil	4/5/2012	09:10	1	4 oz Amber		
	R01-120403CY-0076	FS-02	PCBs	Soil	4/5/2012	11:20	1	4 oz Amber		
	R01-120403CY-0077	SD-01	PCBs	Sediment	4/5/2012	14:05	1	8 oz Amber		
	R01-120403CY-0078	SD-06	PCBs	Sediment	4/5/2012	14:05	1	8 oz Amber		
	R01-120403CY-0079	FS-101	PCBs	Soil	4/5/2012	15:35	1	4 oz Amber		

Special Instructions:	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Andrea Benitez	4/6/12		4/6/12	14:30						